



EDUCATION

Texas Tech University, Edward E. Whitacre Jr. College of Engineering
Bachelor of Science in Computer Science

Lubbock, TX, USA

- President's List: Fall 2023, Spring 2024, Fall 2024, Spring 2025
- GPA: 4.0

Grad. 2027

WORK EXPERIENCE

Sigmoid Technologies - Tapping into Upcoming Market Technologies Before Exponential Growth

June 2025

Full-Stack Developer, Founder

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- Engineered ultra-low-latency, high-bandwidth communication protocols to support multiple concurrent live video streams, ensuring high-redundancy data pipelines for scalable XR experiences.
- Architected low-cost Full Body Tracking solutions leveraging advanced Vision Language Models (VLMs), achieving ~98% accuracy in real-time motion capture for consumer applications.
- Spearheaded strategic partnerships with influencers and community leaders for crowdfunding, positioning Sigmoid as a leader in accessible immersive tech.

Present

Delaware

RajéAI Industries - Consumer and Business-grade AI Applications

Dec 2022

Full-Stack Developer, Director

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- Led an 8-person team in developing and launching Talk2Note, an AI-driven note-taking app that boosted user productivity by ~25% through advanced audio summarization and community interaction features.
- Directed marketing and pricing strategies, increasing product recognition by over ~200% and securing an investor-co-founder for ongoing \$1.2M funding discussions.
- Developed FileVile, a healthcare database app utilizing AI for diagnostic analysis, achieving over ~99% cross-platform compatibility on Android and iOS and reducing medical diagnosis time.
- Initiated unCentral, a multimedia social network focusing on web snippets, tripling user interactivity and enhancing accessibility on both iOS and Android.
- Spearheaded the launch of Speil, a storytelling app with collaborative features on iOS, boosting user engagement.
- Designed GuessRGB, a children's color guessing game to enhance engagement and learning experiences.
- Established a framework for my team to create consumer-oriented applications, managing the transition from concept to deployment.

Present

Mumbai

&
Singapore

HyperWater AI - AI-driven Software for Construction Industry Efficiency

Oct 2024

AI Software Engineer, Full-Stack Developer

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- Assisted in enhancing an AI tool for keyword extraction in construction documents, improving processing efficiency by ~30%.
- Helped architect a bidding network to connect 800+ contractors and suppliers, enhancing project visibility and collaboration.
- Developed an employee database, streamlining communication and achieving a ~15% faster project turnaround.
- Supported pre-seed investment discussions raising \$100k, showcasing growth potential and preparing for a \$1M seed round in the next 90 days.
- Contributed to transforming countless Figma designs into production-ready code using JavaScript/Vue.js and Python/Django within a 30-developer team.

June 2025

Dallas

SuperIntro - Social Media App for Rapid Automated Networking

Nov 2024

Software Intern, Full-Stack Developer

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- Developed a cross-platform mobile app using React Native, enabling seamless networking experiences across iOS and Android with ~98% compatibility.
- Optimized onboarding workflows, reducing user drop-off rates by ~15% and facilitating rapid adoption for 200+ initial users.
- Led a 3-person development team, implementing agile project management to accelerate app iteration cycles by ~10%, enhancing feature delivery efficiency.
- Transformed complex Figma designs into production-ready code using JavaScript/React Native and Python, ensuring pixel-perfect UI and robust backend integration.

Feb 2025

San

Francisco

SKILLS

Software:

Multifaceted Full-Stack Developer with expertise in a wide range of programming languages and frameworks (Programming for more than 10 years). Proficient in both frontend and backend development, with a focus on creating scalable softwares and leveraging AI and machine learning algorithms for enhanced functionality.

Technical Skills:

- **Programming Languages:** Python, JavaScript, Java, VBS, Assembly, C
- **Frameworks:** React.js, React Native, Vue2, Vue3, Angular, p5.js
- **Development Tools:** JSX, HTML, CSS, Arduino, Docker
- **Database Management:** SQL, JSON
- **Backend Server Management Applications:** AWS, Supabase, Digitalocean, Firebase
- **Robotics:** Proficient in using Arduino for robotics projects, integrating hardware and software components for automation.
- **Scripting and Hacking:** Experienced in scripting with Batch, VBS, and Assembly languages, with a focus on automation and security enhancement.
- **Applications:** Ansys, 3D VFX/Design/Printing (Blender 3D, AutoCAD, Cura, ...), Unity, Game Maker Studio, Photo Editing (Photoshop, Lightroom, Gimp, ...), Video Editing (Da Vinci Resolve, ...), FL Studio, Garage band.

Projects:

- **AI, Machine Learning & Web Development:** Worked on AI-powered web applications using *React.js* and *Python*, integrating machine learning for personalized recommendations. Created websites, such as Continuum Design's *luxury fashion site increasing engagement by 40%*, and implemented *stock price prediction* and *news sentiment analysis* models.
- **Cross-Platform Apps & Data Visualization:** Built seamless *cross-platform mobile apps* with *React Native* for iOS and Android. Designed *real-time data visualizations* using *JavaScript* and *p5.js*, enhancing user engagement through interactive elements by a significant amount.
- **Robotics & Game Development:** Created a *3D-printed robotic arm* and *Arduino-based automation* robots like a *SONAR obstacle avoidance robot*. Developed interactive games, including *GuessRGB*, *Snake*, and *PONG* using *p5.js*.
- ***All Projects:** Visit www.atharvaraje.com (or scan QR code) to find a complete list of my projects.

Community:

- Established the first startup-focused business club at Texas Tech University, fostering a network for student entrepreneurs and creating resources for launching new ventures.
- Competed in HackWestTX, a hackathon with 200+ participants, developing innovative solutions in a high-energy, collaborative setting.
- Volunteered with SPCA Lubbock, providing hands-on support in cat fostering, enhancing adoption efforts for 40+ cats and promoting animal welfare.

Languages (Other Than English)

**ACTFL Proficiency Scale Equivalents*

(Novice, Intermediate, Advanced, Superior, Distinguished)

- **Hindi:** Speaking: Distinguished, Listening: Distinguished, Reading: Advanced High, Writing: Advanced Mid
- **Marathi:** Speaking: Distinguished, Listening: Distinguished, Reading: Advanced High, Writing: Advanced Mid
- **Chinese (Mandarin):** Speaking: Novice High, Listening: Novice Mid, Reading: Novice High, Writing: Novice Low

PATENT

Single Stage to Orbit Rocket Engine

US Patent No. US 12173671 B2 | International Patent No. WO/2023/012559 (Scan this QR Code)

IPC: F02K, C23C, F02C

- A Rocket Engine that aims to solve the staging problem and aerospike cooling problem, enabling Single Stage To Orbit flight, thus reducing the likelihood of catastrophic in-flight failure during staging and lowering space travel costs significantly.

2021 - Exp. 2041



ADDITIONAL

Portfolio Website

To view the latest, detailed & additional information, projects and creative portfolio, please visit the portfolio website.

www.atharvaraje.com

References can be provided on request



Work Information (USA)

Current Visa Status: F-1 (Computer Science)

Eligible for CPT and OPT work authorization

Flexible to relocate anywhere (on-site), or work remote / hybrid.

Preferred Position Levels: Internships, Entry Level, Mid-Level, Mid-Senior Level, Founding/Co-Founding