Atharva Undire

| +1 (806) 758 1816 | atharva@filevile.com | www.atharvaraje.com (QR) |
| Linkedin: See Website |

EDUCATION

Texas Tech University, Edward E. Whitacre Jr. College of Engineering — Lubbock, TX
Bachelor of Science in Computer Science — Expected Grad. 2027
- President's List: Fall 2023 & Spring 2024
- GPA: 4.0

Dr. S. Radhakrishnan International School (A) — Mumbai, India
Cambridge International Advanced Level — 2022
- Grades: A*, A, A, A

Dr. S. Radhakrishnan International School (AS) — Mumbai, India
Cambridge International Advanced Subsidiary Level — 2021
- Grades: A, A, A, A, A

Veer Bhagat Singh International School (IGCSE) — Mumbai, India
Cambridge International General Certificate of Secondary Education — 2020
- Grade: A*, A*, A*, A*, A, B

PATENT

Single Stage to Orbit Rocket Engine — 2021 - exp. 2041
Publication 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.

WORK EXPERIENCE

RajeAI Industries — 2022 - Ongoing
Director, Founder, Full-Stack Developer
- Managed and founded a solid company structure for developing consumer-grade applications.
- Developed Talk2Note, an AI-powered note-taking and study-help app, implementing intelligent algorithms for audio content summarization, community networking features and creating a user-friendly interface. Managed marketing and pricing strategies to increase product visibility.
- Led FileVile, a medical database app, integrating AI analytics for diagnosis, ensuring usability across Android and iOS platforms.
- Founded unCentral, a multimedia social platform utilizing injected web-snippets as the major form of its content, and expanding user reach through iOS and Android deployment.
- Spearheaded Speil, a storytelling-focused social app, introducing collaborative features and launching on iOS.
- Designed GuessRGB, a children's color guessing game, emphasizing intuitive gameplay for enhanced engagement.

SKILLS

Software

Versatile Full-Stack Developer with expertise in a wide range of programming languages and frameworks. Proficient in both frontend and backend development, with a focus on creating scalable web applications and leveraging AI and machine learning algorithms for enhanced functionality.

Technical Skills:
- **Programming Languages:** Python, Java, JavaScript, Batch, 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:** Developed 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*, 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.
- **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 <u>www.atharvaraje.com</u> (or scan QR code) to find a complete list of my projects.**

Community:
- Founded the first startup-focused business club on the Texas Tech University campus.
- Participated in the HackWestTX Hackathon.

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

ADDITIONAL

Portfolio Website
To view the latest, detailed & additional information, projects and creative portfolio, please visit my portfolio website.
<u>www.atharvaraje.com</u>
References can be provided on request