Vedant Chaskar
Corvallis, Oregon | *chaskarvedant1@gmail.com* | *vedant-chaskar* | *VedantChaskar*
Aspiring Computer Science student with a passion for Software development.

Technical Skills

Languages : Java, JavaScript, Python, Flutter, C/C++, SQL (MS-SQL, MySQL, SqLite), HTML, XML, KML, JSON, CSS
Frameworks : React, React Native, Node.js, Flask, ExpressJS, Bootstrap
Tools : Git, GitHub, Android Studio, Visual Studio Code, Postman,
Cloud and Databases : AWS,Railway, Firebase, MongoDB, SQL Server, Cloudinary, Railway, Prisma
Others : SDLC Methodologies, UI/UX Design, Cross-platform Development, Techincal documentation

Experience

Project Lead | *AutoStrings Private Limited* *June 2023 – January 2024*
- Developed a Customer Relationship Management (CRM) application to enhance customer engagement, resulting in an 80% increase in interaction.
- Managed a team of 6 interns in the development and successful delivery of the CRM application using XML, Java, Kotlin, Firebase, and NodeMail.
- Coordinated with clients to ensure their requirements were met and maintained open communication throughout the project lifecycle.

Android Application Developer Intern | *Oasis Infobyte* *November 2022 – December 2022*
- Developed and debugged Android applications for internal use, significantly improving operational efficiency.
- Collaborated with a team of developers to design and implement new application features using Java, Kotlin, and SQLite.
- Contributed to UI/UX design discussions, resulting in a more user-friendly interface and increased user satisfaction by 30%.

Android Application Developer Intern | *Cospower Engineering Limited* *June 2022 – December 2022*
- Worked on the Research and Development team as an Android App Developer (Java) for a production-level project commissioned by the Tourism Department of the Government.
- Utilized KML (Keyhole Markup Language) to create and manage location records within the application, ensuring accurate geo-tagging and spatial data representation.
- Contributed to the design and development of features that enhanced user engagement and interaction with the tourism application.
- Integrated backend services and ensure data synchronization and real-time updates.
- Participated in testing phases to identify and resolve bugs for reliability.

Organizational Positions
- President at Android Development Club-VCET, Project Manager at Android Development Club-VCET, Publicity Head at NSS-VCET.

Education

Oregon State University **MS in Computer Science** | *Expected - September 2024 – Present*
University of Mumbai **BE in Computer Engineering** | GPA : 9.31/10 *August 2020 – May 2024*

Projects

Unified Health Interface | *Python, Node.js, React.js, Next.js, Express.js, TypeScript, MongoDB, PostgreSQL, Prisma, Cloudinary, Ant Design, Axios, Node Mail, Docker, Railway*
- Integrated India's healthcare sector with the Aadhar identification system to establish a unified platform for secure and standardized health data management.
- Developed the backend using Python and Node.js with Express.js for scalable server-side logic.
- Implemented React.js with Redux Toolkit and Ant Design for frontend development to enhance user experience and interface responsiveness.
- Utilized MongoDB and PostgreSQL for robust data storage and management.
- Employed Docker for containerization and Railway for cloud hosting to ensure streamlined development, deployment, and scalability.

Recovery Period Prediction for Orthopaedic Patients | *Python, Flask, HTML, CSS, Bootstrap, JavaScript*
- Developed machine-learning solutions using Support Vector Machines (SVM) and artificial neural networks to estimate orthopaedic injury recovery times.
- Validated models with real patient data for accuracy and applicability.
- Utilized Python, scikit-learn, and TensorFlow for SVM and neural network model development and training.
- Implemented Flask for backend model deployment and data processing.
- Designed frontend interfaces using HTML, CSS, Bootstrap, and JavaScript for user-friendly recovery period predictions.

Flood Management using IoT and Fuzzy Neural Networks | *IoT, Fuzzy Neural Networks, MATLAB's Simulink*
- Designed IoT-based sensors to monitor water levels in flood-prone areas.
- Developed a fuzzy neural network for real-time flood prediction and management.
- Integrated the system with local emergency response teams to facilitate timely interventions.
- Ensured the project could adapt to various geographic regions and flooding scenarios.

Awards and Certifications

1st Position | *Oscillation'24- Technical Paper Presentation.* ***2nd Position*** | Oscillation'23- *Technical Paper Presentation.*