

Avani Vivek Kulkarni

Software Developer

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SUMMARY

Versatile Software Developer skilled in full-stack development, machine learning, and secure applications, with expertise in JavaScript, React.js, Node.js, and Python, focused on scalable and reliable solutions.

EDUCATION

MGMs College of Engineering, Nanded B.Tech CSE	2021 – 2025 GPA: 7.14/10
Vamanrav Mane arts and science jr College 12th Boards	2019 – 2020 %: 77.85
Yeshwant Vidyalaya, Ahmedpur 10th Boards	2017– 2018 %: 94.33

WORK EXPERIENCE

- CodeClause | Web Developer Intern** **Sept 2023 – Oct 2023**
Worked on 3 custom websites with HTML, CSS, and JavaScript, improving user experience and site performance by 30%.
- SecurityBoat | Web Developer Intern** **June 2023 – Sept 2023**
Demonstrated active participation with a team of 5 to develop and optimize 5 secure, responsive web applications, meeting industry standards and reducing security risks by 15%.
- CUC Club, MGM's COE, Nanded |Core Member** **Sept 2022 – Sept 2023**
Facilitated 5 events for over 200 students, Featuring workshops that improved participants' technical skills by 40%, based on post-event assessments.

TECHNICAL CONTRIBUTIONS

Real-time Object Detection with Video using Annotation **Aug 2024 - Present**
Objective: Constructed a high-performance real-time object detection system capable of identifying objects with 90% accuracy in live video streams, optimized for precision.
Implementation: Leveraging deep learning 3 models such as Faster R-CNN with TensorFlow, annotated datasets, and robust video processing to ensure accurate, efficient detection.
Tech Stack: Python, TensorFlow, PyTorch, OpenCV for video handling, and Roboflow for dataset annotation.

SpamGuard **Jun 2024**
Objective: Engineered an SMS spam detection website to classify messages as spam or non-spam, Reaching an 85% accuracy rate and significantly enhancing user experience by filtering out spam messages.
Implementation: Leveraged 1 machine learning algorithms to analyze message content and identify patterns in sender behavior.
Tech Stack: HTML, CSS, JavaScript (frontend), Python (backend), Scikit-learn for model building, Pandas for data manipulation, and Joblib for model persistence.

RealtimeChat Application **Mar 2024**
Objective: Designed a responsive chat application enabling secure, instant messaging with an intuitive user interface, increasing user engagement by 30% due to its ease of use and streamlined design.
Implementation: Incorporated features like user registration, profile management, and real-time chat functionality to enhance user interaction.
Tech Stack: Node.js and JavaScript for backend processes, React, HTML, and CSS for the frontend, and MongoDB for efficient data storage.

SKILLS

- Programming:** Java, Python([link](#)), JavaScript, HTML5, CSS3, React.js, Machine Learning, PHP, Angular
- Tools/Platforms:** Git, MySQL, MongoDB, VSCode, Google Colab, Microsoft Office, Figma, Canva
- Technical Skills:** Responsive Design, Algorithms & Data Structures, Cross-browser Compatibility
- Soft Skills:** Teamwork, Leadership, Communication, Multitasking

CERTIFICATES

Infosys Springboard Associate in IT Foundation Skills (Java)	Aug 2024
Infosys Springboard Associate in IT Foundation Skills (Python)	Aug 2024
NPTEL Python programming	Jan-Apr 2023
NPTEL Java programming	Jul-Oct 2022

EXTRACURRICULAR ACTIVITIES AND AWARDS

Finalist in Techradiance at IIT Bombay	April 2024
1st Prize in a Dance Competition at the college level.	March 2024
Runner-up of the Carrom Competition at the college level.	May 2023