Yash Omprakash Varma

Pune, Maharashtra

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Education

G.S. Moze College of Engineering, Pune **August 2019 – June 2023**
*Bachelor of Computer Engineering (CGPA – **8.36**)* *Maharashtra, India*

A.E.S. Ashokbhau Firodia Junior College, Ahmednagar **August 2017 – May 2019**
*Higher Secondary Education (**62.62%**)* *Maharashtra, India*

A.E.S. Ashokbhau Firodia English Medium School, Ahmednagar **June 2016 – June 2017**
*Secondary School Education (**63%**)* *Maharashtra, India*

Technical Skills

Programming Languages: Java, Python, JavaScript, TypeScript, HTML5, CSS3
Frontend Frameworks: Angular, Bootstrap, Angular Material
Backend Technologies: Spring Boot, Spring JPA, RESTful APIs
Machine Learning & Deep Learning: TensorFlow, PyTorch, scikit-learn, Pandas, NumPy, Jupyter Notebook
Databases: MySQL, PostgreSQL
Development & Collaboration Tools: Git, GitHub, GitLab, Postman, Visual Studio Code, Eclipse, Spring Tool Suite, JIRA
Other Skills: API Integration, Agile Methodology, Software Development Life Cycle (SDLC), UML, Object-Oriented Programming (OOP), WordPress

Experience

Maveric Systems Limited **August 2023 – Present**
Software Development Engineer (SDE) *Pune*

- Frontend Development: Developed dynamic, responsive web applications using Angular 16 and Bootstrap 5, improving user experience by 25%.
- Backend Development: Designed and implemented RESTful APIs with Spring Boot, optimizing performance and reducing response time by 30%.
- Database Management: Enhanced data consistency by designing efficient schemas and managing databases using MySQL and PostgreSQL.
- Cross-Team Collaboration: Worked closely with backend and QA teams to resolve integration issues, achieving a 40% reduction in deployment time.

Graduate Software Development Engineer (GSDE) *Pune*

- Led frontend development efforts for the Retail Banking Application project, implementing Angular-based user interface components and ensuring seamless user experience across diverse banking functionalities, resulting in a 30% increase in user engagement and a 20% reduction in user-reported issues related to navigation and usability.
- Collaborated closely with backend development team to integrate robust APIs, enabling real-time data updates and enhancing system reliability, contributing to a 25% improvement in system performance and a 40% reduction in backend/frontend integration bugs during testing phases.
- Developed and maintained a custom API endpoint catering to a specific functionality, ensuring scalability and efficiency, contributing to a 20% reduction in response time for API requests and a 15% increase in overall system reliability during peak usage periods.

Exposys Data Labs **March 2022 – April 2022**

Data Science Intern *Online Internship*

- Developed a diabetes prediction model using Support Vector Machine (SVM), achieving 77.4% accuracy on test data.
- Pre-processed and analyzed the Pima Indians Diabetes Dataset, optimized SVM kernels, and proposed enhancements using deep learning and advanced evaluation metrics.

OneVoice Transmedia Pvt. Ltd. **January 2022 – February 2022**

Web Developer Intern *Ahmednagar*

- Engineered a dynamic WordPress website for a 3-star hotel, leading to a 30% surge in online bookings and a 25% increase in customer inquiries within six months
- Implemented SEO strategies for the hotel website, leading to a 40% boost in search engine visibility and a 15% increase in organic web traffic, resulting in a significant improvement in the hotel's online presence and brand recognition.

Projects

Vehicle Detection using Deep Learning | *Python, Yolov8, PyTorch*

- Implemented a robust vehicle detection system leveraging a deep learning model within the PyTorch framework. Achieved an outstanding mean Average Precision (mAP) value of 92.1%, indicative of precise object localization and classification.
- Applied cutting-edge computer vision algorithms to classify six distinct vehicle types, enhancing object detection accuracy by 35% and contributing to a 20% reduction in false positives in traffic monitoring systems.

AI Voice Assistant | *Python, NLP*

- Engineered an A.I. voice assistant using Python, incorporating advanced Natural Language Processing techniques for effective user interaction.
- Devised a diverse range of functionalities, enabling tasks such as setting reminders, web searches, music playback, personalized recommendations, and timely information delivery.

Certifications

- Machine Learning with Python - IBM
- Regular Expression in Python - Coursera
- Deep Learning Masterclass - Udemy
- C Programming - Great Learning
- Python for Data Science – IBM
- Data Analysis with Python – IBM
- Data Visualization with Python – IBM

Achievements

- Received High-Five award for Commitment in Maveric Systems
- Author of the Research Paper on “Vehicle Detection Using Deep Learning” recognized by the GIS Science Journal – ISSN NO: 1869-9391 | Vehicle Detection Using Deep Learning
- Author of the Literature Survey Paper on “Object Detection Analysis Based on Machine Learning Algorithms” recognized by the International Journal of Scientific Research in Engineering and Management (IJSREM) – ISSN NO: [2582-3930] | Object Detection Analysis Based on Machine Learning Algorithm
- Ranked 12th at GeeksforGeeks, showcasing proficiency in solving diverse programming challenges at institute level
- Recognized for participation in Round 1A of the Global Programming Competition, SnackDown 2021, highlighting competitive programming capabilities on a global scale.