

Atharva Karval

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Bachelor of Engineering
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EDUCATION

- **Bachelor of Technology in Computer Engineering** 2022-26
Marathwada Mitra Mandal's College of Engineering, Pune SGPA: 7.94
- **Honors in Data Science** 2024-26
Savitribai Phule Pune University, Pune Grade: Pass

PERSONAL PROJECTS

- **QuickEats** November 2024 - December 2024
A web app offering personalized restaurant recommendations using geolocation.
 - Built a web platform for personalized restaurant recommendations using React.js and Node.js.
 - Integrated geolocation services via Google Maps API for real-time user engagement.
 - Technology Used: React.js, Node.js, Firebase, Google Maps API, MySQL.
- **Nectar - AI-Powered Agricultural Assistant** September 2024
AI-driven app for farmers offering disease detection and advice.
 - Integrated MobileNet V2 for plant disease diagnosis, enabling both offline and online chatbot functionality.
 - Designed a multilingual community forum to support underserved regions.
 - Technology Used: React Native, Firebase, Node.js, MySQL, Mobile BERT.
- **VisionAssist** December 2023 - March 2024
An assistive tool for visually impaired individuals using YOLO for real-time object detection.
 - Provided audio descriptions of surroundings through voice commands for hands-free usage.
 - Enabled real-time distance estimation and speech recognition for greater independence.
 - Technology Used : Python, OpenCV, YOLO, Text-to-Speech (pyttsx3).

EXPERIENCE

- **Intern, Production Planning Automation System** September 2024 - November 2024
Secured internship through professional networking and referrals AkzoNobel, Thane
 - Developed Python-based sequencing algorithms to optimize scheduling across product family, chemistry, and shade, enhancing operational throughput.
 - Integrated real-time SAP data for dynamic resource allocation, reducing planning time by 50%.
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 - Collaborated with teams to align with industry standards and stakeholder needs.
- **Data Science Intern** December 2024 - Present
Secured the internship through professional networking on LinkedIn Conifyz, Nagpur
 - Built predictive models using Linear Regression and Random Forest to forecast restaurant ratings.
 - Analyzed restaurant data in Python, identifying trends in ratings, locations, and cuisines.
 - Delivered geospatial insights through visualizations to support informed decision-making.

TECHNICAL SKILLS AND INTERESTS

Core Competencies: Predictive Modeling, Data Mining, Statistical Analysis, Data Visualization.
Data Science Tools: Jupyter Notebook, Tableau, Excel, Numpy, Pandas
Libraries: OpenCV, YOLO, TensorFlow, Keras, MobileNet V2, pyttsx3, scikit-learn, pandas, matplotlib
Languages: Python, SQL, Java, C/C++, JavaScript, HTML/CSS
Frameworks: TensorFlow, Flask, Spring Boot, Apache Struts
Cloud/Databases: MongoDB, Firebase, MySQL
Relevant Coursework: Machine Learning, Artificial Intelligence, Data Structures & Algorithms, Operating Systems, Big Data Analytics, Database Management System, Software Engineering
Areas of Interest: Data Science, Python Developer, Java Developer
Soft Skills: Problem-Solving, Adaptability, Collaboration in Cross-Functional Teams, Analytical Thinking, Strategic Planning, Innovation

POSITIONS OF RESPONSIBILITY

- **Intern Lead, Production Planning Automation System** AkzoNobel, Thane September 2024 - November 2024
 - * Led a team to develop a data-driven scheduling system, reducing planning time by 50%.
 - * Integrated SAP data for optimized resource management and real-time decision-making.
 - * Mentored team members in machine learning and data sequencing techniques.