Tejas M. Athalye

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Professional Summary

Highly motivated Computer Engineering student seeking a challenging entry-level position to leverage my strong foundation in programming, data analysis, and machine learning. Proficient in Python, Java, and C++, with practical experience in cloud technologies (Azure), data management (SQL, MongoDB), and AI frameworks (TensorFlow, scikit-learn). Eager to contribute to real-world projects and continuously enhance my skills in AI & ML, and collaborate with experienced professionals. Possess a passion for applying technical expertise to solve complex problems and contribute to innovative solutions in the AI & ML field.

Education

- **NBN Sinhgad Technical Institutes Campus, Pune, India**   2021-2025
  Bachelors of Engineering (B.E.): Computer Engineering **CGPA: 7.7 (Aggregate)**
  Leadership: Institute Theme Event Coordinator (Drone flying competition), Sinhgad National Level Springfest

- **Sir Parashurambhau Junior College, Pune, India**   2019-2021
  Higher Secondary Education (12th): Science (Vocational) Percentage: 88%
  Achievements: National Games Participation - Karate, State Gold Medalist - Karate

- **Dnyanadeep English Medium School, Pune, India**   2018-2019
  Secondary School Education (10th) Percentage: 93%
  Achievements: 2x National Games Participation - Karate, 2x State Gold Medalist - Karate

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Work Experience

- **KasNet Technologies Private Limited, Pune, India**   2023-2024
  Cloud Computing & Project Management Intern
    - Managed virtual systems, ensuring robust security for cloud-based projects, which safeguarded sensitive data and enhanced system integrity.
    - Utilized Azure SQL to manage and analyze data, leading to a 20% improvement in data storage efficiency and retrieval speed.
    - Improved team collaboration by 15% through the implementation of Agile methodologies, resulting in more streamlined project delivery timelines.
    - Developed and deployed Power BI reports and dashboards, increasing data-driven decision-making efficiency by 30% and reducing reporting time by 25%.
    - Improved reporting efficiency by 30%, reducing data processing time by 2 hours weekly.

Projects

- **Varicose Veins Detection Using YOLO** : (Final Year Project)
    - A detection system using YOLO ensembled with RNN for detection of varicose veins in images and in real-time deployed as a web app.
    - Convolution encoders used for image preprocessing and enhancing results.
    - Eliminating 90-100% of costs associated with traditional diagnostic testing.

- **CineSenseAI** : AI-based movie recommendation system
    - Developed the model using NLP, Cosine Similarity, and Sentiment Analysis which delivers 27-31% more accuracy than traditional system.

- Built the application with Flask, AJAX and the TMDB API

- **STES Racing** : Student Formula-type car developing team
  - Contributed in building a formula-type electric vehicle (car) for FSAE competitions, which involved a team of 20+ students.
  - Developed the accelerator pedal positioning sensor (APPS) activation system logic, improving throttle response time by 12%.
  - Worked in powertrain, vehicle dynamics, and low voltage systems.
  - Programmed and integrated Arduino Uno with sensors, achieving a 93% accuracy rate in sensor data collection and application.

- **NodeUserify** : Web app demonstrating CRUD operations
  - Created a user-friendly web application to manage user accounts, focusing on simplicity and ease of use.
  - Built the backend using NodeJS and MongoDB Atlas, ensuring the system is both reliable and scalable.
  - Designed an intuitive interface with JavaScript, HTML, and CSS, making the application responsive and visually appealing.

Skills

- **Programming Languages:** Python, C++, Java
- **Technologies:** SQL, MongoDB, Cloud Computing (Azure), MS Excel, Power BI, Power Query, Linux, Generative AI, LLMs
- **Frameworks & Libraries:** NumPy, pandas, scikit-learn, TensorFlow, Keras, PyTorch, Streamlit, Matplotlib, Seaborn, React, NodeJS, NextJS, ExpressJS
- **Project Management & Tools:** Agile Methodologies, Jira, MS Project, Risk Management, Stakeholder Management
- **Version Control:** Git
- **Soft Skills:** Problem Solving, Critical & Analytical Thinking, Effective Communication, Team Collaboration, Leadership Skills, Drive for results

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Certifications

- Microsoft Azure Fundamentals (AZ-900)   2024
- Google Data Analytics Professional Certificate   2024
- Google Project Management Professional Certificate   2024
- Google Cybersecurity Professional Certificate   2024

Other

- **Languages:** English, Hindi, Marathi, Sanskrit, German
- **Interests & Hobbies:** Pencil Sketching, Karate, Aerospace Technologies, Automobiles Technologies, Trekking, Photography, Graphic Designing