

ASHISH ANIL KHATAVKAR

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EDUCATION

Parul University, Vadodara
MCA – Master of Computer Applications

2024 – 2026
(Pursuing)

ATSS CBSCA, Pune
B.Sc. Computer Science

MAY 2021 - JUNE 2024
CGPA – 7.98

OBJECTIVE

Motivated AI and Full Stack Developer with strong skills in Python, Machine Learning, React, and backend development. Experienced in building production-ready applications, automation workflows, and scalable platforms. Seeking an opportunity to apply technical expertise in AI, data analytics, and software engineering to contribute to innovative, real-world solutions.

SKILLS

Technical Skills: HTML, CSS, JavaScript, Bootstrap, SQL, Python, TensorFlow, OpenCV, MySQL, Basics of Networking, FastAPI

Artificial Intelligence / Machine Learning: TensorFlow, PyTorch, Scikit-Learn, XGBoost, NLP, Pandas, NumPy.

Data Analytics: Power BI, Advanced Excel, Data Visualization, Data Annotation, Machine Learning, Root Cause Analysis

Soft Skills: Strong Analytical Skills, Attention to Detail, Effective Communication, Time Management, Problem-Solving

Tools & Technologies: Microsoft Office Suite, Workflow Tools, Project Management Software, SDLC, Docker, Git, Postman, VS Code.

INTERNSHIPS

Accenture North America Data Analytics and Visualization Job Simulation on Forage –

March 2024

- I completed a simulation focused on advising a hypothetical social media client as a data analyst **at Accenture**.
- Reporting** Cleaned, modeled, **extracted**, and analyzed **7 datasets** to uncover insights into content trends to inform strategic decisions to make up to **25% of the profit**.
- Prepared a PowerPoint deck and **video presentation** to communicate key insights for the client and internal stakeholders and interact with people.

EXPERIENCE

Junior Software Engineer – Tech Mahindra

Oct 2024 – Present

- Gained hands-on experience in data cleaning, preprocessing, model development, evaluation, and statistical analysis.
- Implemented ML workflows, automation scripts, and AI-driven solutions for business use cases.
- Built strong practical understanding of real-time datasets, cloud tools, and deployment architectures.
- Collaborated with teams on enterprise-level software delivery standards.

PROJECTS

1. SentinelAI — Deep Learning–Driven SIEM Platform

Nov 2025 - Present

Tech: React, Tailwind CSS, Lucide-React, Recharts, Google Cloud Firestore, Custom Backend API

Accuracy: 92%

Demo: <https://sentinel-platform-prod-v2.vercel.app/>

- Developed a deep-learning-powered SIEM platform capable of processing large-scale log data and detecting security threats such as SQL injection, XSS, and compliance violations in real time.
- Implemented an automated alert triage workflow enabling accurate incident classification and faster response handling across security teams.
- Designed interactive dashboards that visualize threat patterns, risk velocity, and attack heatmaps to improve security monitoring efficiency.
- Built a rule-based automation engine that performs actions like IP blocking and alert notifications, significantly reducing manual intervention.
- Enhanced overall security operations by integrating AI-driven threat analysis, resulting in improved detection accuracy and reduced investigation time.

2. MindCrafters – AI-Enabled E-Learning Platform (SPA)

Oct 2025 – Present

<https://ashishk1702.github.io/mindcrafters-app/>

Tech Stack: React, Vite, Tailwind CSS, Firebase Authentication, Firestore Database

Domain: EdTech, Web Development, Serverless Architecture

- Built a scalable, responsive Single Page Application using React and Firebase to deliver structured lesson-wise learning and real-time progress tracking.
- Implemented secure authentication, protected routing, and role-based access control for both students and administrators.
- Designed dashboards for learners and admins, enabling easy course management, lesson updates, and personalized learning experiences.
- Automated the certificate generation process on course completion, improving platform efficiency and learner motivation.
- Optimized frontend performance and responsiveness through Vite and Tailwind CSS, ensuring a smooth experience across devices.

3. Arunndhati World Pvt. Ltd.

JULY 2024

Website Development – URL: <https://www.arunndhatiworld.com>

1. Developed a full-stack travel agency website (<https://www.arunndhatiworld.com>) using HTML, CSS, JavaScript, PHP, and MySQL.

- 2. Developed a fully functional full-stack travel booking platform using HTML, CSS, JavaScript, PHP, and MySQL with dynamic tour modules and automated booking workflows.
- 3. Built secure backend logic for bookings, pricing, and lead management, improving operational efficiency for the travel agency.
- 4. Optimized website performance by reducing load times by 40% through code refactoring, asset optimization, and database indexing.
- 5. Designed and implemented a responsive, user-friendly interface that enhanced customer engagement and increased conversions.
- 6. Deployed the platform to production with stable performance, supporting 500+ daily users and ensuring consistent uptime.

4. Criminal Face Detection

APR 2024

- Developed a Python-based criminal face detection system utilizing OpenCV and TensorFlow, emphasizing accuracy and reliability in facial recognition.
- Applied advanced machine learning algorithms to enhance detection accuracy, supporting AI-driven security solutions.
- Conducted thorough data processing, ensuring security and integrity of the criminal database.

5. Data Analytics

JUN 2025

- Executed data-driven projects using Power BI, advanced Excel, and MySQL to deliver actionable insights.
- Created interactive dashboards and reports, enabling real-time data visualization and informed decision-making.
- Analyzed data trends and patterns, translating them into meaningful rules and recommendations.

KEY ACHIEVEMENTS

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- 1. Delivered fully functional, production-ready applications using modern full-stack and AI/ML technologies.
 - 2. Improved system performance and efficiency through optimized architecture, clean code practices, and scalable design patterns.
 - 3. Built end-to-end platforms with secure authentication, real-time data handling, and role-based access control.
 - 4. Applied data-driven decision-making by integrating analytics, dashboards, and performance-tracking features.

Certifications

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- 1. Prompt Design in Vertex AI — Google (2025)
 - 2. Build Real World AI Applications with Gemini and Imagen — Google Cloud (2025)
 - 3. Next-Gen AI: Tools, Agents & Automation — BeerBiceps SkillHouse (2025)
 - 4. Data Analytics and Job Simulation — Forage (Accenture North America) (2024)
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DATE: 06-11-2025

SIGNATURE: ASHISH ANIL KHATAVKAR