MANN SHAH

+1 (425) 279 3307 | mannshah1702@gmail.com | Seattle WA| linkedin.com/in/mannshah1702/ | github.com/Mann-1702

EDUCATION

Master of Science in Computer Science   Expected Graduation: June 2026
Seattle University   (CGPA: 3.68/4.0)

Bachelor of Engineering in Computer Engineering   Oct 2020 - May 2024
G H Patel College of Engineering & Technology   (CGPA: 3.63/4.0)

SKILLS

- **Languages & Databases:** Python, Java, Ruby, TypeScript, JavaScript, Dart, C++, C#, C, .NET, PostgreSQL, MySQL, MongoDB, RDS, DynamoDB
- **Cloud & AI/ML:** AWS, GCP, Azure, Firebase, CI/CD, OpenCV, TensorFlow, Keras, Scikit-learn, Pandas, NumPy, OpenCV, Feature Engineering
- **Frameworks & DevOps:** Flutter, React.js, Node.js, Next.js, Angular.js, Express, Spring Boot, .NET Core, Git, Docker, Jenkins, Kubernetes
- **Principles & Tools:** Agile, Scrum, OOPs , SDLC, TDD, Payment Gateways, Postman, Tableau, PowerBI, Google Maps API, UI/UX Design

WORK EXPERIENCE

Software Development Engineer Intern   June 2025 – September 2025
Amazon Web Services, Inc., East Palo Alto, CA

- Built an automated end-to-end deployment tracking and Slack notification system to monitor PADB deployments across 35+ regions.
- Developed production-ready infrastructure with AWS CDK for automated provisioning (SQS, Lambda, VPC, cross-account IAM roles).
- Integrated existing deployment scripts with SQS to capture deployment metadata for QuickSight dashboard and automated Slack messages.
- Designed a QuickSight dashboard with key metrics enabling stakeholders to easily analyze deployment data and make informed decisions.
- Automated Slack messages for deployment updates to stakeholders, saving 8 days annually for developers and enabling real-time visibility

Software Engineer Intern   Dec 2023 – April 2024
TechnoGuide InfoSoft Pvt. Ltd., India

- Developed a Smart HR mobile app with Flutter and Firebase, saving $1M annually by automating onboarding for 1,000+ users.
- Enhanced app performance and UI with third-party Flutter libraries, boosting load speed by 28% and reducing resource usage by 23%.
- Built Attendance System with QR code and geolocation, reducing errors by 40% and increasing efficiency by 30% for 500+ daily check-ins.
- Leveraged Firebase Cloud Messaging for real-time notifications and authentication, increasing user engagement by 20%.
- Developed a Project and Task Management System, improving task tracking by 35% and reducing completion time by 20%.

Software Engineer Intern   May 2023 – June 2023
TatvaSoft Pvt. Ltd., India

- Developed a full-stack bookstore web application using ReactJS and NodeJS, managing catalog of 1,500+ books and supporting 200 daily users.
- Designed and implemented 10+ RESTful APIs to manage data flow, reducing response time by 22% and improving overall system efficiency.
- Optimized application performance, achieving 42% faster load times & 23% lower memory usage through efficient state management.
- Built reusable React components, improving development speed by 25% and reducing bug resolution time by 15%.

Data Science Intern   Oct 2022 – April 2023
Pooja Investments Pvt. Ltd., India

- Spearheaded data cleaning, preprocessing, and EDA with Python, uncovering key insights that boosted investment strategy accuracy by 20%.
- Built predictive models to forecast market trends, increasing prediction accuracy by 17% for portfolio management.
- Applied ML algorithms (regression, classification, clustering) to historical financial data, improving market prediction accuracy by 18%.
- Created dashboards in Tableau and Power BI with advanced data visualizations, enhancing decision-making speed by 33% for stakeholders.

PROJECTS

Recommendo – AI Powered Playlist Generator (GitHub)

- Built an AI-powered music recommendation system using OpenAI GPT-3.5, LangChain, and LlamaIndex to generate playlists from natural-language prompts.
- Processed and indexed a dataset of 10,000+ songs, enabling semantic search by genre, artist, and mood for accurate recommendations.
- Designed a prompt chaining pipeline to interpret user intent and deliver context-aware playlist suggestions with high relevance.
- Enhanced system performance through optimized data ingestion and indexing, reducing retrieval latency and improving user experience.

Attendance Management Using Face Recognition (GitHub)

- Developed an Attendance System using face recognition, OpenCV, and Firebase, automating attendance with 98% accuracy.
- Integrated Firebase for secure storage of student data and attendance logs, handling 1,200+ entries without performance issues.
- Built a face encoding system with face_recognition and OpenCV, achieving 95% accuracy across different lighting conditions.
- Created a user-friendly interface that processes live video and marks attendance in 2 seconds per student.

Phishing Website Detection Using ML

- Developed a machine learning model for phishing website detection, achieving 98% accuracy in identifying phishing sites.
- Utilized Python, FastAPI, and JSON to build and deploy the model, improving detection speed by 30%.
- Applied advanced ML algorithms, reducing false-positive rates by 24% compared to traditional methods.

PUBLICATION

- Phishing Website Detection Using Machine Learning: A Comprehensive Study - International Journal For Multidisciplinary Research (IJFMR), Volume 5, Issue 6 (Nov-Dec 2023) LINK