

Master Prince

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EDUCATION

Jamia Hamdard University	Delhi, India
Bachelor of Technology in Computer Science Engineering in Artificial Intelligence	2021 – 2025

SKILLS

- **Programming Languages:** Python, JavaScript, TypeScript.
- **Web Technologies:** React.js, Next.js, Node.js, Express.js, Fast API, RESTful APIs
- **Databases:** MongoDB, MySQL, SQLite
- **AI/ML Libraries:** TensorFlow, Keras, Scikit-learn, OpenCV, Dlib, Mediapipe, NLTK, Pandas, NumPy
- **DevOps/Cloud:** AWS (EC2), Docker, GitHub Actions, Vercel, Netlify
- **Tools & Methodologies:** Git, Postman, Web Sockets, Thunder Client, Electron.js

EXPERIENCE

Luchkee Health Pvt. Ltd.	Delhi, India
Full Stack Web Developer Intern	Dec 2024-Feb 2025

- Using the MERN stack, a fully functional healthcare platform was created, increasing the efficiency of handling patient records by 40%.
- To improve data security, advanced data encryption, role-based access control, and secure JWT authentication were put into place.
- 30% faster API response times were achieved by optimizing backend and MongoDB aggregation performance.
- Integrated third-party APIs for email, SMS, and payment services; automatic data exports; and AI-powered PDF diagnostics.

M37 Labs	Delhi NCR, India
Full Stack Developer Intern	May 2025-Present

- Currently architecting and scaling AI driven SaaS platforms using Hugging Face models and microservices for real time performance.
- Working on generative AI development and maintaining their main website using Next.js 14, TypeScript, and Sanity CMS.
- Designing modular MongoDB databases with optimized indexing and implementing robust testing (unit, integration, E2E).
- Collaborating in Agile teams for rapid prototyping, sprint planning, and continuous improvement across AI workflows.

PROJECTS

Intelligent Proctoring Detection Framework	November 2024-February 2025
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- Built a computer vision-based live exam surveillance system using OpenCV, Mediapipe, and face-api.js with 95%+ accuracy in face detection and behavior analysis.
- Integrated real-time gaze tracking, facial recognition, and suspicious activity monitoring with alert systems and timestamped violation logging.
- Developed automated reporting and an analytics dashboard to support examiners with clear insights and audit-ready documentation.

Senior Dev AI	March 2025-June 2025
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- Built a full-stack AI assistant to streamline developer onboarding, featuring intelligent code refactoring, legacy doc generation, and contextual Q&A via Groq-hosted LLMs.
- Integrated OCR-based screen awareness for real-time, privacy-first suggestions—processing only extracted text with no image/video storage.
- Developed a scalable architecture with Fast API, clustered MongoDB, GitOps safeguards, and a modern Next.js UI using TypeScript.

Hospital Management System	August 2024-October 2024
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- Developed a cross-platform diagnostic lab management system using Electron.js with offline-first architecture and real-time data visualization via Chart.js.
- Implemented secure, HIPAA-compliant authentication using JWT and bcrypt, along with automated backups and multi-location data sync.
- Enabled lab technicians to generate, customize, and export patient reports in multiple formats (PDF, CSV, Excel).

Credit Card Fraud Detection System	May 2024-July2024
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- Designed a high-accuracy ML pipeline for fraud detection using ensemble models (Logistic Regression, Random Forest, XG Boost) and advanced feature engineering on large Kaggle datasets.
- Achieved 99.3% accuracy with SMOTE-based class balancing, deploying the model via Flask REST API with real-time monitoring and versioning for A/B testing.
- Also worked on a Destination Recommendation System, incorporating automated retraining pipelines to ensure model adaptability and performance.

Destination Recommendation System	May 2024-July 2024
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- Developed a personalized travel recommendation engine using collaborative filtering, sentiment analysis (TF-IDF, Count Vectorizer), and Cosine Similarity for accurate destination matching.
- Integrated ML models like SVM, MLP Classifier, and Neural Networks to rank recommendations based on user preferences and behavioral patterns.
- Built an intuitive UI with interactive maps, itinerary generation, real-time weather updates, and price comparison APIs for end-to-end travel planning.

Leadership Experience

- **Chairperson – IEEE JHSB Student Branch** 2024 – 2025
- **General Secretary – IEEE JHSB Student Branch** 2023 – 2024
- Managed cross-functional teams of 150+ members, overseeing event planning, sponsorship acquisition, and logistics.
- Secured partnerships with leading tech companies including Google, Microsoft, and AWS for event sponsorships
- Won Best WIE (Women in Engineering) Volunteer Award 2023 for outstanding contribution to diversity initiatives
- Organized technical workshops on emerging technologies, benefiting 1000+ students annually