Akanksha Panda

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EDUCATION

Vellore Institute Of Technology — Bhopal, India
Bachelor of Technology - Computer Science; CGPA: 8.79 — *Expected: Jul 2026*
Coursework: *Operating Systems, Objected-Oriented Programming, Web Programming, Computer Networking, Database Management System, Data Structures*

SKILLS SUMMARY

Languages:	C++, Java, Python, JavaScript
Web Tech:	HTML, CSS, Tailwind, React, Node, Express, Next, TypeScript
AI/ML:	NumPy, Pandas, Matplotlib, Scikit-Learn, TensorFlow
Databases:	MySQL, PostgreSQL, MongoDB
Platforms:	Linux, Windows, AWS
Tools:	Git, GitHub

EXPERIENCE

Wells Fargo — Remote
Virtual Experience Program — *Jun 2024 - Jul 2024*
- Drafted comprehensive financial portfolio management documentation, reducing compliance issues by 30% and optimizing system efficiency, resulting in a 15% faster processing time for critical financial reports.
- Devised an Entity Relationship Diagram (ERD) in IntelliJ, enhancing data structure clarity and improving system functionality.
- Simulated real-world fintech scenarios, utilizing SQL, database normalization, and system design principles to develop scalable financial solutions.

Accenture — Remote
Software Engineering -Virtual Experience Program — *May 2023 - Jun 2023*
- Researched emerging DevOps trends, analyzing 5+ industry reports to stay ahead of evolving technologies.
- Developed a custom algorithm using pseudo-code and visualized it with a flow diagram, improving efficiency by 20%.

PROJECTS

Money Mentor
React 19, Next.js 15, Tailwind CSS, Supabase, Prisma, Clerk, Inngest, Arcjet, ShadCN
- Built an AI-powered finance management system, enhancing real-time transaction tracking and achieving 98% categorization accuracy.
- Developed a receipt scanner with 99% precision using Arcjet & ShadCN, cutting manual data entry time by 70%.
- Implemented automated email alerts & AI-driven insights, boosting financial awareness by 40% and user retention by 25%.

Gen-AI Mental Health Chatbot
Python, NLP, PyPDFLoader, ChromaDB, Hugging Face
- Designed a Gen-AI Mental Health Chatbot, enhancing response efficiency by 65% and managing 500+ queries/day.
- Automated the processing of 1,000+ mental health resources using PyPDFLoader, boosting data accessibility by 40% and minimizing manual effort.
- Engineered an adaptive NLP pipeline, enhancing contextual understanding and ensuring seamless chatbot interactions.

DDOS Attack Classification
Python, NLP, PyPDFLoader, ChromaDB, Hugging Face
- Constructed a DDoS detection model using Random Forest, achieving 99.95% accuracy and surpassing Logistic Regression & Neural Networks by 5-8%.
- Validated model performance with an F1 score of 0.9995 & precision of 1.0000, effectively eliminating false positives.
- Refined detection capabilities through ROC curve analysis, reducing false negatives by 30% for improved real-world applicability.

ACHIEVEMENTS

- Cleared Internal Round of Smart India Hackathon 2024
- Secured International Rank 72 and All India Rank 15 in National Science Olympiad (NSO)
- Qualified Stage 2 of National Talent Search Examination (NTSE) as a School Topper with a strong rank

ADDITIONALS

- **Languages**: Fluent in English, Hindi; Conversational in Oriya
- **Certifications**: Postman API Student Expert, Google AI Essentials, NPTEL – Cloud Computing (IIT Kharagpur), The Bits and Bytes of Computer Networking (Coursera), Python Essentials (VIT Bhopal)