Avi Mathur

AI/ML Engineer | Full Stack Developer

+91 77009 23732 | mathuravi668@gmail.com | linkedin.com/in/avimathur | github.com/AviMath2412 | avimathur.tech

Education

Rajasthan Technical University   Jaipur, India
Bachelor of Technology in Computer Science and Engineering (Artificial Intelligence)   *Aug 2023 – July 2027*
- CGPA: 8.0/10

Technical Skills

Programming Languages: Python, C++, Java
AI/ML Frameworks: TensorFlow, Pandas, NumPy, Matplotlib
Web Frameworks: React.js, Next.js, FastAPI, Streamlit
Databases: PostgreSQL, MySQL, Supabase
Cloud and Tools: Oracle Cloud Infrastructure, Git, GitHub, VS Code, Vercel
Specializations: Computer Vision, Generative AI (LLMs), Data Analysis, Web Scraping

Projects

NeuroScan AI | *Python, TensorFlow, FastAPI, Kaggle*
- Pioneered CNN architecture with TensorFlow achieving 95 percent accuracy in brain scan classification across 10000+ medical images
- Streamlined image analysis workflow to significantly reduce analysis turnaround time in testing
- Engineered data preprocessing pipeline datasets with 40 percent faster performance

AI Resume Analyzer | *Next.js, Puter.js*
- Enhanced production system processing 1000+ concurrent users with 99.5 percent uptime and sub-2 second response times
- Built ML models achieving 85 percent accuracy in skill extraction and job matching across 5000+ resume samples
- Created React frontend increasing user engagement by 45 percent through real-time analysis and feedback

AI Web Scraper | *Python, BeautifulSoup, Selenium*
- Built web scraping system extracting 50000+ records daily from 100+ dynamic websites with 95 percent accuracy
- Executed ML algorithms reducing data validation time by 70 percent through automated content classification
- Expanded error handling mechanisms achieving 99 percent uptime for large-scale data collection operations

Experience

Salesforce Developer Intern   July 2024 – Aug 2024
Raptbot Technologies   *Jaipur, India*
- Architected database models and mechanized workflows reducing manual processing by 40 percent for 500+ daily transactions
- Developed Hotel Management System processing 200+ bookings daily with real-time billing and automated invoicing
- Collaborated with 5-member cross-functional team conducting sprint planning sessions

Certifications

Oracle Cloud Infrastructure 2025 Certified Generative AI Professional – Oct 2025
Oracle AI Vector Search Certified Professional – Oct 2025

Leadership and Achievements

Led 3-member technical teams in 2 major national hackathons including SBI Life Hack-AI-Thon and EY Techathon 5.0
Volunteered at Smart India Hackathon 2025 Grand Finale supporting 50+ teams across 3 problem statements
Volunteered at SHIFT New-Gen Creative Festival 2025 coordinating 10+ technical workshops for 200+ participants
Maintain 15+ GitHub repositories with 100+ commits showcasing AI/ML and full-stack development projects