

MD AZIZUR RAHMAN JAMIM

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📍 Shanghai, China 🌐 GitHub 🔗 LinkedIn 🌐 Portfolio

Objective

Full-Stack Software Engineer with 4+ years of industry experience, alongside active research in applied computer vision and medical AI. Having built scalable platforms and solutions for enterprise clients, startups, and research labs, I am passionate about bridging the gap between theoretical deep learning models and production-ready systems.

Education

Master of Science in Computer Science **2026 – 2029**
Shanghai Jiao Tong University, Shanghai, China — CSC Scholarship

Bachelor of Engineering in Software Engineering **2022 – 2026**
Sichuan University, Chengdu, China — Belt and Road Initiative Scholarship

Skills

Machine Learning & AI: PyTorch, TensorFlow, Scikit-learn, Keras, Hugging Face, LangChain
Computer Vision: OpenCV, YOLO, ViT, SiamRPN, CNN Architectures (U-Net, ResNet)
Data Science & Analysis: NumPy, Pandas, Matplotlib, Seaborn, Apache Spark, Streamlit
Programming Languages: Python, C++, JavaScript, TypeScript, SQL
Full-Stack Development: React.js, Next.js, Node.js, React Native, Firebase, FastAPI, MongoDB
Cloud, DevOps & Tools: Docker, AWS, Azure, Google Cloud, Git, Linux, LaTeX, Jupyter

Research Experience

Developer (AI & Medical Imaging) **Feb 2025 – May 2026**
Machine Intelligence Laboratory, College of Computer Science, Sichuan University

- Enhanced **U-Net with DEFFA** attention for precise OCT retinal layer segmentation.
- Built multimodal CNN framework with Grad-CAM interpretability for **OCT-based disease diagnosis**.

Work Experience

Front-End Developer **Oct 2025 – Mar 2026**
Chengdu Funnlink Technology Co., Ltd., Chengdu, China

- Developed cross-platform applications using HBuilderX, focusing on scalable UI and performance.
- Integrated AI-driven automation for SEO, content, image generation to enhance system efficiency.

Software Engineer **Aug 2024 – Sep 2025**
Sharaliy Digital, Las Vegas, USA (Remote)

- Engineered Python-based cloud automation, webhook-driven workflows, and backend systems.
- Designed scalable data-collection pipelines to streamline enterprise operations.

Software Developer **Nov 2024 – May 2025**
Papalazius Mercantile Inc., Edmonton, Alberta, Canada (Remote)

- Automated listing and shipping via Keepa-Amazon SP API, cutting manual work by 70%
- Reengineered backend shipping workflows and pipelines with a 67% performance improvement.

Software Developer Intern – Data Science & Big Data

Feb 2025 – Mar 2025

Chengdu SunCaper Data Co., Ltd., Chengdu, China

- Processed and analyzed 6.6M+ Yelp reviews using Python, SQL, Pandas, and NumPy.
- Built LangChain-DeepSeek recommendation engine and interactive React/D3.js dashboards.

Front-End Engineer

Aug 2024 – Feb 2025

Sichuan Kehua Power Construction Co., Ltd., Chengdu, China

- Contributed to an AI-driven virtual broadcast system utilizing text-to-avatar synthesis technology.
- Prototyped smart contracts and researched blockchain data integrity and privacy (Solidity, Hardhat).

Technical Projects

StrabismusCare – AI-Powered Screening App for Strabismus

[GitHub](#)

- Built cross-platform React Native mobile app with Expo achieving 98% detection accuracy.
- Implemented a Vision Transformer (ViT) pipeline for eye-image classification and analysis.

VisioTrack – Real-Time AI Object Tracking Platform

[GitHub](#)

- Led a team reproducing and fine-tuning SiamRPN in PyTorch for single-object tracking.
- Developed a custom annotation pipeline and implemented domain-specific retraining strategies.

DigiMoney Bank – Full-Stack FinTech & Data Visualization

[GitHub](#)

- Developed a secure online banking system featuring RBAC authentication and JWT architecture.
- Designed financial data dashboards with React, enabling dynamic, real-time analytic insights.

Publications

“An Intelligent System for Multi-Label Pathological Myopia Classification with Joint Semi-Supervised Choroidal Segmentation.” – International Journal of Intelligent Systems

Under Review

Awards & Honors

- **Chinese Government Scholarship (CSC)** – Shanghai Jiao Tong University, 2026
- **2nd Prize** (Southwest Region) – 18th National College Student Software Innovation Contest, 2024
- **Belt and Road Initiative Scholarship** – Sichuan University, 2022–2026

Extracurricular Activities

General Secretary

Dec 2024 – May 2026

DevNComp Club, Sichuan University, Chengdu, China

- Led technical events and workshops, engaging 50+ students across ML and software development.
- Mentored peers on project building, algorithms, and competitive programming skills.

Executive Member & Associate Team Member

2023 – 2024

BCYSA (Bangladesh China Youth Student Association)

- Executed strategic community initiatives to foster cross-cultural collaboration.
- Coordinated logistics for community-driven events and student engagement programs.

Additional Skills

Soft Skills: Agile Development, Scrum, JIRA, Team Leading, Management

Languages: English, Bengali (Native), Hindi & Urdu (Conversational), Chinese (Intermediate)