

Akash Kumar

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Professional Summary

Passionate and self-driven MCA student with strong foundations in Python, web development, and cloud technologies. Experienced in delivering real-world solutions through internships and personal projects. Thrives in dynamic, fast-paced environments and actively seeks opportunities to contribute to product-driven teams—especially in startup ecosystems where innovation and adaptability matter.

Education

- **Masters in Computer Application**, Techno Main Salt Lake, Kolkata 2024-2026
- **Bachelors in Computer Application**, Amity University Patna | CGPA: 8.45 2021- 2024
- **Intermediate (PCM + CS)**, KV Hinoo, Ranchi | 81% 2019 - 2021

Experience

Data Engineering Virtual Intern

Jan 2025 – Mar 2025

EduSkills Foundation (AICTE x AWS Academy)

- Built ETL pipelines using AWS Glue & Amazon Redshift for large datasets.
- Designed scalable data storage solutions using Amazon S3.
- Cleaned, transformed, and prepared raw data for analytics.
- Gained hands-on exposure to AWS-based cloud data engineering practices.

Python Developer Intern

Nov 2023 – Dec 2023

Oasis Infobyte

- Automated data processing using Python scripts; improved efficiency and reliability.
- Participated in debugging tasks and sprint discussions in a remote setup.

Web Development Intern

Oct 2023 – Nov 2023

MotionCut

- Developed responsive UI components with HTML, CSS, and JavaScript.
- Contributed to front-end enhancements and user interface optimization.

Skills

Programming Languages: Python, C, C++, JavaScript

Web & Mobile Development: HTML, CSS, React, React Native, Bootstrap

Cloud & DevOps: AWS (S3, Glue, Redshift), Bash, Git, GitHub

Data & Backend Engineering: ETL Pipelines, Data Cleaning, Amazon Redshift, AWS Glue, MySQL

Finance & Trading Knowledge: Quantitative Analysis, Technical Indicators, Back-testing, Risk Management

Other Tools & Skills: Microsoft Office, Responsive UI Design, Version Control, Debugging Projects.

Projects

Zenin - *React Native mobile app for personal finance tracking* | [\[Link\]](#) 2025

- Built a mobile app that tracks transactions from SMS using Headless JS and allows manual cash entries.
- Used Firebase Auth and Firestore for secure user data handling and real-time syncing.
- Implemented biometric login, user profile storage, and smart transaction categorization.
- Aimed at reducing financial friction and building awareness with clean UI and offline-first features.
- Future roadmap includes custom saving strategies and automated deal/coupon suggestions.

Dazai - *Python-based quantitative trading system for crypto markets* | [\[Link\]](#) 2025

- Built a modular system to test 10+ strategies across trending, ranging, and volatile markets having win-rate of ~ 51-55%.
- Used core indicators: EMA, RSI, ADX, ATR; evaluated with metrics like win rate, Sharpe ratio, and max drawdown.
- Structured with separate modules for strategies, data fetching, logging, and utilities.
- Back-testing module to test large dataset with logging and final result with all metrics.
- Focused on extensibility and performance for future integration with brokers and automated execution.

Rentkr - *Full-stack MERN rental platform for everyday items* | [\[Link\]](#) 2024

- Built a rental website for items like books, clothes, bikes, and sound systems — focused on bachelor lifestyle needs.
- Implemented secure user authentication, listing creation, and booking system using Express.js and MongoDB.
- Separate admin page to manage order, products and members.
- Developed a responsive UI with ReactJS and Bootstrap for UI featuring filters, search, and item details.
- Integrated AWS S3 for efficient image upload and storage.
- Designed a modular backend with clear API routes and error handling.

Certifications

- AWS Cloud Foundation | Amazon Web Services (AWS) Mar 2025
- AWS Data Engineering | Amazon Web Services (AWS) Mar 2025
- Data Engineering Virtual Internship | AICTE Mar 2025
- CCNAv7: Switching, Routing, and Wireless Essentials | Cisco Jul 2023
- CCNAv7: Introduction to Networks | Cisco Apr 2023