Asish Kumar Yeleti

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Information Science and Engineering student at
RV College of Engineering, Bengaluru

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Experience

Development Intern Aug 2025 – Oct 2025
Melento (formerly SignDesk) *Bengaluru, India*

- Revamped the Downtime module into a dynamic Broadcast module to automate client communications and improve transparency
- Eliminated hardcoded logic by designing a configurable broadcast architecture supporting scalable message workflows
- Modified MongoDB schema and optimized queries to align with the new architecture, enhancing performance and maintainability
- Developed Angular frontend components for intuitive configuration and real-time broadcast visibility
- Collaborated with product and QA teams to ensure smooth integration, stable deployment, and production reliability

Product Developer Intern Apr 2025 – Aug 2025
einsteini.ai by SpikedAI *Remote*

- Spearheading mobile application development for AI-powered LinkedIn assistant using Flutter and Dart, targeting 5000+ users
- Contributing to algorithm enhancement to reduce response time through efficient data processing pipelines
- Conducting A/B testing on 50+ beta users to validate product features, achieving good user satisfaction rate

Frontend Developer Intern Apr 2025 – May 2025
Vortex Media Management *Remote*

- Assisted in building responsive front-end dashboards using Next.js, reducing page load times by 40% through efficient architecture
- Delivered 15+ user interface components in clean, maintainable code following React best practices and TypeScript standards
- Maintained 100% compliance with security protocols for handling sensitive client data across 3 different backend environments
- Completed all assigned tasks 2 days ahead of schedule while maintaining daily progress reports and proactive communication

Skills

Languages:	Go, TypeScript, JavaScript, Python, Java, Kotlin, C++, C, SQL, Dart
AI & ML:	Machine Learning, Artificial Intelligence, Data Science, Graph Neural Networks, Deep Learning
Libraries:	Angular, React, TensorFlow, Pandas, Scikit
Frameworks:	PyTorch, Flutter, Next.js, Bootstrap, Django, Flask
Relevant Coursework:	Data Structures, Neural Networks, Operating Systems, Cloud Computing

Education

RV College of Engineering, B.E. in Information Science and Engineering, CGPA: 8.96	2023 – Present
Delhi Public School East, 12th CBSE, 96.2%	2021 – 2023
Ryan International School, 10th ICSE, 96.4%	2009 – 2021

Projects

KnapsackML - *ML-powered Knapsack Problem Solver* — *Github* ⌂ *Live* ✈

- Enhanced traditional knapsack solving by building hybrid ML approach achieving 97% optimal solution quality while reducing solving time by 90%
- Implemented Random Forest model with 500 estimators achieving 91% accuracy on test datasets, incorporating feature engineering with 40+ specialized metrics
- Designed solution enhancement algorithms including feasibility repair, local search improvement, and capacity maximization
- Established comprehensive API using FastAPI with multiple solver endpoints handling 200+ requests per minute while maintaining 99% availability

QuikCart - *Flutter-based Mobile Shopping Application* — *Github* ⌂

- Architected cross-platform mobile shopping application using Flutter and Dart, reducing development time by 40% compared to native alternatives
- Integrated secure payment processing with Razorpay API reducing checkout time by 35%, with Firebase Authentication for robust user management
- Enhanced Dart code performance achieving 60+ fps UI with custom animations and reduced app size by 25%

Licenses & Certifications

- **Introduction to Graph Algorithms** - NPTEL (Issued October 2025)
- **CCNA: Introduction To Networks** - Cisco Networking Academy (Issued June 2025)
- **Data Science for Engineers** - NPTEL (Issued April 2025)
- **Introduction to Programming Using Java** - Infosys Springboard (Issued Jan 2024)

Extracurricular Experience

Senior Member at Coding Club – Led dev projects, organized coding contests, and mentored juniors	Sep 2023 – Present
Member at Astra Robotics – Contributed to rover control system for URC 2025 prototype	Nov 2024 – Present
Senior Member at RV QuizCorp – Co-hosted UTPT 2025 with 500+ participants across India	Oct 2023 – Present
Volunteer at CSITSS 2024 – Facilitated conference logistics and speaker coordination	Nov 2024