SHOBHIT RAJ

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SUMMARY   [(PORTFOLIO)]

AI/ML-focused Computer Science engineer with a strong foundation in full-stack development (React, Python, MongoDB) and scalable cloud systems (AWS, Docker). Built REST APIs handling 500+ RPS and developed ML models with 92% accuracy. Selected for Amazon ML Summer School (less than 2% acceptance rate). Looking to leverage cloud architecture and data engineering skills in a high-impact technical role.)

EDUCATION

Bachelor of Technology, KIIT University   Expected 2026
Major: Computer Science and Engineering — CGPA: 7.52/10.0
Relevant Coursework: Cloud Computing, Machine Learning, Distributed Systems

12th Central Board of Secondary Education, Sri Chaitanya Vidyaniketan   2020 - 2022
Major: Physics, Chemistry, Mathematics — Score: 81%

TECHNICAL SKILLS

Languages	Python, JavaScript, Kotlin, C++, SQL
Cloud & DevOps	AWS (EC2, S3, Lambda), Docker, Jenkins CI/CD
Backend	Node.js, Express, REST APIs, MongoDB, Firebase
ML/AI	Scikit-learn, TensorFlow, Data Analysis, Classification, Pytorch
Tools	Git, Postman, Android Studio, Linux

TECHNICAL PROJECTS

Task Management API   [(Source Code)]
- Built scalable REST API (Node.js/MongoDB) handling 500+ RPS at 150ms avg response
- Implemented JWT authentication and Redis caching for real-time updates
- Integrated automated testing covering 100+ edge cases

Water Quality Analysis   [(Live Demo)]
- Developed Python classification model (Scikit-learn) achieving 92% accuracy on 3,000+ samples
- Optimized feature engineering pipelines, reducing prediction latency by 35%
- Deployed Flask API on Render cloud with CI/CD integration

Crypto Weather Nexus   [(Live Demo)]
- Developed and publicly deployed a full-stack dashboard using Next.js, React, and Tailwind CSS to display real-time cryptocurrency and weather data.
- Integrated multiple APIs to fetch live weather, crypto market data, and news headlines, demonstrating strong proficiency in API integration.
- Managed application state using Redux to store user preferences and handle loading/error states for a robust user experience.

PROFESSIONAL EXPERIENCE

Amazon ML Summer School   *9 Aug 2025 - Present*
- Selected for competitive program .
- Mastering advanced NLP and deep learning concepts through Amazon Scientist-led sessions
- Implementing real-world ML use cases with SageMaker

Keploy API Fellowship   *Mar 2025 - Jul 2025*
- Integrated automated API testing into Jenkins CI/CD pipeline
- Prevented 20+ critical production bugs in staging environment
- Led 5+ developers in open-source contributions

CERTIFICATIONS

- **AWS Academy Cloud Computing**: EC2, S3, VPC, IAM   *2023*
- **Cisco CCNA**: Enterprise Networking & Security   *2024*
- **Hackerrank SQL Certificate**   *2023*
- **Cisco Python Essentials 1 & 2**   *2025*
- **Google Cloud Fundamentals**   *2023*