Rohit Agarwal
Data Scientist Intern

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Summary

Dynamic and driven 3rd-year Computer Science Engineering student with a strong foundation in data science and hands-on experience through 2 internships. Skilled in leading teams and collaborating on diverse projects, including developing a React-based application with Express back-end, conducting various data science projects, and contributing to an NLP model for an autonomous and adaptive drone project. Proven ability to thrive in collaborative environments, with a keen interest in leveraging technology to solve real-world problems.

Internships

EISystems Services — Remote, India
Data Science Intern — March 2024 - April 2024

- Completed a rigorous two-month training program focused on Python and data science fundamentals.
- Executed 11 machine learning projects, gaining hands-on experience in various domains.
- Developed proficiency in applying machine learning algorithms to real-world datasets, resulting in a 20% improvement in prediction accuracy.
- Demonstrated strong analytical and problem-solving skills through project work, identifying key insights that led to a 10% increase in efficiency for client solutions.

IBM SkillBuild — Remote, India
Data Science Intern Team Lead — June 2023 - August 2023

- Led an 8-member team in executing the Lung Cancer Analysis Project, improving diagnostic accuracy by 25%.
- Implemented machine learning algorithms, achieving significant accuracy improvements of up to 30%.
- Managed project timelines and provided mentorship to team members, resulting in a 90% team satisfaction rate and on-time project delivery.

Projects

HealthSync - Hospital Management System — June 2023 - Present

- Developed a comprehensive system to manage hospital operations, patient data, and prescriptions efficiently.
- Integrated queue management for OPD and lab tests, enhancing patient flow.
- Implemented real-time updates and scalability features using MongoDB and WebSockets.
- **Technologies Used:** React.js, Node.js, MongoDB, Express.js

Techie-AI - AI PC Builder Assistance — July 2024 - August 2024

- Built a Flutter-based app to assist users in selecting PC components based on computational power and budget.
- Integrated Google Gemini API to fetch top options for PC components, generating purchase links and printable results.
- Selected for the prestigious Google Gemini API Hackathon.
- **Technologies Used:** Flutter, Google Gemini API

Autonomous Speech Controlled Drone System — April 2024 - May 2024

- Developed an advanced NLP model capable of interpreting live speech commands for drone control.
- Achieved 99% command recognition accuracy.

- Enhanced drone operational efficiency by 30%.
- **Technologies Used:** BERT, TensorFlow, Whisper Technology

BookFlow - Library Management System   June 2023 - September 2023
- Developed a comprehensive library management web application to streamline book management processes.
- Led a team of 5, increasing productivity by 15%.
- Collaborated with frontend and backend developers, improving application performance by 20%.
- **Technologies Used:** React.js, Serverless Framework, AWS Lambda

Education

Techno India NJR Institute of Technology   Udaipur, India
Bachelor Of Technology in Computer Science and Technology   2022-2026

Central Public Seior Secondary School   Udaipur, India
Class XII (CBSE) - Science/Maths   2020-2022

Skills & Interests

Technical Skills:

- Programming Languages: Python, JavaScript, C++, Java
- Web Development: React.js, Flask, Node.js, Express.js, HTML/CSS, RESTful APIs
- Database Management: MySQL, MongoDB
- Version Control: Git, GitHub
- Cloud Platforms: Google Cloud Platform
- Software Development Tools: Jupyter Notebook, VS Code, Postman, Docker

Soft Skills:

- Leadership: Leading cross-functional teams, project management
- Communication: Clear and concise verbal and written communication, active listening
- Collaboration: Working effectively in team environments, fostering teamwork
- Mentorship: Providing guidance and support to team members, sharing knowledge
- Adaptability: Quickly adapting to new environments, technologies, and methodologies
- Problem-Solving: Analyzing complex issues, proposing creative solutions
- Critical Thinking: Evaluating situations, making informed decisions
- Time Management: Prioritizing tasks, meeting deadlines
- Client Management: Building strong relationships, understanding client needs