

Udipta Kumar

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Professional Summary

Detail-oriented B.Tech Computer Science student (2026) with strong foundations in software development, data structures, algorithms, and full-stack web development. Proficient in Java, Python, and modern frameworks. Seeking software development roles to build scalable solutions in fast-paced teams.

Technical Skills

- **Languages:** Java, Python, C++, C, SQL
- **Web Technologies:** HTML5, CSS3, JavaScript (ES6+), Bootstrap, React, Node.js, Express.js
- **Frameworks/Libraries:** Flask, Selenium, REST APIs
- **Tools:** Git, GitHub, Linux, VS Code, MySQL, Arduino
- **Core Concepts:** Data Structures & Algorithms, OOP, DBMS, Operating Systems, Computer Networks

Education

Amity University, Patna	2022 – 2026 (expected)
B.Tech, Computer Science & Engineering	CGPA: 9.61
Kendriya Vidyalaya Danapur Cantt (CBSE)	2019 – 2021
Class 12: 95%	Class 10: 93.4%

Work Experience

Software Engineer Intern – Purezza Technologies	Jun–Sep 2024
<ul style="list-style-type: none">• Developed RESTful APIs using Node.js and Express.js, improving backend efficiency by 20%.• Automated data validation scripts, reducing manual QA workload by 30%.• Collaborated with QA and DevOps to debug scripts and optimize CI/CD pipelines.	
Python & IoT Intern – Codroid Hub	Jun–Jul 2023
<ul style="list-style-type: none">• Built a home automation system integrating Arduino and IoT sensors.• Developed Python scripts for data processing and real-time cloud reporting.	

Projects

PrashnaAI: AI-powered Web Q&A Chatbot	[Python, Flask, NLP]
<ul style="list-style-type: none">• Designed an AI chatbot for querying and summarizing web content.• Integrated web scraping and NLP modules for question answering.	
Railway Tender Automation	[Python, Selenium, Automation]
<ul style="list-style-type: none">• Automated tender extraction via Selenium; generated reports using Gmail and Drive APIs.	
Student Dashboard App	[HTML, CSS, JavaScript]
<ul style="list-style-type: none">• Developed an academic dashboard with dynamic data handling using JSON.	

Certifications

- Full Stack Python Development – Udemy
- Data Structures & Algorithms in C/C++ – Udemy

Achievements

- **2nd Prize:** HackIT 2025 (National Hackathon)
- **Qualified:** GATE CSE 2025
- 100% Merit Scholarship (All Semesters, Amity University)

Extracurricular Activities & Languages

- Hackathons, Poster Design, University Events, Art Club
- **Languages:** English (Proficient), Hindi (Native), French (Basic)