

Siddharth Paul

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Education	Rutgers University Computer Science, Physics, Mathematics	September 2023 - May 2027 Bachelor of Science
Experience	Iconectiv Ericsson Software Engineering Intern <ul style="list-style-type: none">To replace slow, manual reporting workflows, automated 4+ tools with Python, Bash, and Jenkins, reducing processing time by 90%+.To ensure reliable nightly job executions, built CI/CD pipelines (Jenkins, AWS CodeBuild), achieving consistent, error-free deployments.To improve cybersecurity visibility, integrated Tenable, GitHub, and end-of-life data APIs, enabling proactive remediation for 15+ stakeholders.To centralize infrastructure monitoring, created a searchable VM inventory dashboard of 100+ systems, surfacing outdated infrastructure for remediation.	June 2025 - August 2025 Bridgewater, NJ
	Iconectiv Ericsson Software Development Intern <ul style="list-style-type: none">To improve visibility into third-party dependencies, built a DevOps automation platform with Python, Bash, Jenkins to track 200+ enterprise apps, increasing transparency and eliminating manual audits.To accelerate security updates, automated dependency workflows using Python, Jenkins, AWS CodeBuild, cutting update cycles from weeks to hours and enabling faster patching.To make repository insights actionable, developed a backend in Python to parse metadata from 1,000+ GitHub repos, powering 100+ real-time dashboards for engineering teams.To provide accessible system health monitoring, engineered a frontend in Ruby, Node.js, AngularJS, Smashing to visualize dependencies and metrics, supporting proactive maintenance.	May 2024 - August 2024 Bridgewater, NJ
Projects & Leadership	IEEE-VEXU Build Lead <ul style="list-style-type: none">To drive competitive robotics success, led team collaboration and mentorship within Agile cycles, developing real-time C++ motion control systems, and applying Test Driven Development (TDD) to validate PID algorithms for precision actuation.Resulted in a Top 25 global finish at VEX Worlds 2025 through optimized control systems and coordinated team execution.	January 2025 - Present
	Myndful – AI Mental Health Chatbot Chief Technical Officer <ul style="list-style-type: none">To provide accessible mental health support for students, led full-stack development of an AI-driven platform (React, FastAPI, TensorFlow, AWS EC2) serving 6,000+ monthly users across 5+ schools, with scalable NLP services for semantic retrieval and deep text classification, enabling personalized resources and intelligent query routing.Achieved adoption by multiple schools and national recognition, winning 3 hackathons and presenting at 2 education conferences on applied AI for student support.	2022 – 2025
	Holobrain https://devpost.com/software/holobrain <ul style="list-style-type: none">To improve medical data interaction, built a gesture-controlled 3D diagnostic tool for MRI brain scans using Unity 3D and CNN-based image classification, assisting professionals in anomaly detection and winning 1st place at a national hackathon for innovation in medical imaging technology.Won 1st place at a national hackathon for innovation in medical imaging technology.	October 2024
Awards	Hackathon Wins: HackRU Fall 2024 (First Place), HackMCST 2022 (First Place), MontyHack 2022 (Best Use of AI), RidgeHacks 2022 (First Place)	2022 - 2024
	Congressional App Challenge Winner Recipient of an award for developing Myndful, a website that leverages an AI-powered chatbot to provide personalized and relevant mental health resources.	2022
Technical Skills	Python, C++, JavaScript (ES6+), C#, TypeScript, Java, SQL, HTML/CSS, Bash; React, Redux, Node.js, Express, FastAPI, Spring; Git, GitHub Actions, Jenkins, AWS (EC2, S3, Lambda, CodeBuild), RESTful APIs, CI/CD, Agile, Jira, Linux; JSON, JSONL, CSV, XLSX, Gzip; Web Security, Unity, Automation Scripting, Pandoc, PapaParse, Datalake, Static Hosting	