

Priyanshu Kumar Sharma

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OVERVIEW

I am a **B.Tech** candidate in **Information Technology** specializing in **Cloud Technology** and **Information Security**. With expertise in cloud computing, cybersecurity, DevOps, and quantum computing, I have hands-on experience with **AWS, Azure, Docker, Terraform, and security frameworks**. Through research, internships, and open-source contributions, I have worked on **secure cloud architectures, serverless computing, and advanced security implementations**.

EDUCATION

Ajeenkya D Y Patil University

B.Tech in (IT) Cloud Technology and Information Security — SGPA: 10— CGPA:9.90

Pune, India

Aug 2022 - Ongoing

Sri Chaitanya Jr. Kalasala

Higher Secondary Education — Percentage: 93.9

Hyderabad, India

April 2020 - May 2022

Sri Chaitanya High School

Secondary Education — Percentage: 87.6

Hyderabad, India

April 2018 - March 2020

SKILLS & COMPETENCIES

Programming Languages: Python, Java, SQL, Shell Scripting

Development: HTML, CSS, Tailwind CSS, JavaScript, Node.JS, Express, EJS

DevOps Tools: Git/GitHub, Terraform, GitLab, Redis, Jenkins

Cloud Computing: AWS, MS Azure, Google Cloud Platform

Languages: English, Hindi, Gujarati

Course Activities: Cloud Architecture Design, Network Security Labs, DevOps Pipelines

CS Fundamentals: DSA, DBMS, OS, CN

HACKATHONS

ADYPU Problem-A-Thon – Ajeenkya DY Patil University

Sharda University Tech-a-thon – Sharda University

Smart India Hackathon (Internal, 2023) – Idea submission and internal round participation

NASA Space Apps Challenge (2023) – Global innovation hackathon on space data solutions

UNESCO-MIL Innovation Challenge (2023) – Project on media and information literacy

Google Solution Challenge (2024) – Developed solution aligned with UN Sustainable Development Goals

Hackron – Newton School x ADYPU (2025) – Collaborative hackathon on real-world problem statements

Smart India Hackathon (Externals, 2025) – National-level participation with prototype development

WORK EXPERIENCE

Web Development Intern

Marquardt India Pvt. Ltd., Pune

June 2025 – September 2025

- Selected as a Web Development Intern to contribute to frontend development, UI/UX enhancements, and full-stack feature implementation in ongoing projects.
- Developing and maintaining responsive web interfaces using **HTML5, CSS3, JavaScript (ES6+), EJS templates, MySQL**, and **Express.js**, ensuring adherence to established design systems and coding standards.
- Collaborating with senior developers to perform unit testing, debugging, and performance tuning of web applications, focusing on cross-browser compatibility and optimized load times.
- Working with the IT & Automation team to maintain internal dashboards, integrate data-driven components, and streamline workflow processes through automation and database-driven solutions.

IT Intern – Placement Coordinator, IT Department

Seamedu Education and Services (Seamedu) Pvt. Ltd., Pune

March 2025 – June 2025

- Selected as a Trainee Intern in the IT Department at Seamedu School of Pro-Expressionism, with responsibilities in IT infrastructure exposure, software tools utilization, and process optimization to support departmental objectives.

- Coordinated end-to-end placement activities for the IT Department, including scheduling recruitment drives, managing candidate databases, preparing technical reports, and tracking hiring metrics.
- Facilitated structured communication between students, faculty, and recruiters using digital collaboration platforms, cloud-based data sharing tools, and automated notification systems.
- Supported the integration of IT solutions into placement processes to improve operational efficiency, data accuracy, and stakeholder engagement.

Cloud Research Intern

Indian Institute of Technology Ropar, Punjab

May 2024 – July 2024

- Engaged in research under the mentorship of an IIT professor, focusing on distributed computing and serverless architectures.
- Implemented **XFbench** and **XFaaS** frameworks, including setup, configuration, and validation of benchmarking tools for Function-as-a-Service (FaaS) environments.
- Designed and deployed serverless functions on modern cloud-native platforms with emphasis on scalability, modularity, and low-latency execution.
- Conducted performance profiling, bottleneck analysis, and optimization of serverless workloads using benchmarking metrics, instrumentation tools, and workload simulation techniques.
- Selected as part of the **Summer Research Fellowship Program 2024** by the **Indian Academy of Sciences**.

PROJECTS

- **Storage SaaS Platform**, Built a **Software-as-a-Service (SaaS) platform** leveraging AI to provide automated business solutions.

Tech Stack:

- **Framework:** Next.js 14
- **Styling:** Tailwind CSS
- **Database:** Prisma, Neon DB (PostgreSQL)
- **Authentication:** Clerk
- **Video Storage:** Cloudinary
- **Deployment:** Vercel

[GitHub](#)

- **Quantum Cloud Integration**, Developed a hybrid cloud-quantum system integrating cloud computing with quantum processing for enhanced computational efficiency.

Features:

- Workflow integration between classical cloud and quantum systems.
- Secure and scalable hybrid cloud implementation.
- **Tools Used:** AWS, IBM Quantum, and Docker.

[GitHub](#)

- **SkyVault**, Built a personal cloud storage system using Docker containers, providing an interactive UI.

Features:

- File uploading, listing, and downloading functionalities.
- Dockerized deployment for easy scalability.
- Secure authentication and data storage.
- **Tools Used:** Flask, HTML, CSS and Docker.

[GitHub](#)

ACHIEVEMENTS

- **Semeadu Awards for Creative Cloud Integration Award** - 23rd April 2025
- **School Rank: 3 in SOF International Mathematics Olympiad** - March 2019

EXTRA-CURRICULAR ACTIVITIES

- **Vice President** in Matheletes(Maths Club) - March 2023 - July 2024
- **Core Member** in Happier and Safer Internet Club - October 2023 - October 2024

CERTIFICATIONS

- Fortinet Certified Fundamentals in Cybersecurity
- Fortinet Certified Associate in Cybersecurity
- Zscaler: Fundamentals of Cybersecurity (EDU-102)
- Zscaler: Zero Trust Certified Associate (ZTCA)
- Oracle Cloud Infrastructure 2025 Certified AI Foundations Associate