

# Prateek Verma

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## EDUCATION

### Lovely Professional University

*B.Tech in Computer Science and Engineering*

July 2020 – May 2024

*GPA: 8.41/10*

### SN Sen. Sec. School

*Senior Secondary Education*

July 2018 – 2019

*87.20%*

## TECHNICAL SKILLS

**Languages:** JavaScript, TypeScript, Python, Golang, C++

**Frameworks/Libraries:** React, Next.js, Node.js, Express.js, Backstage

**Cloud & DevOps:** AWS (EC2, Lambda, S3), Terraform, LocalStack, GitHub Actions, Docker, Kubernetes, Helm

**Tools:** Git, Linux, OpenTelemetry, CDK, CloudFormation

## EXPERIENCE

### Philips

*Software Development Engineer I*

April 2024 – Present

*Bangalore, India*

- Enhanced the internal developer portal at Philips, improving accessibility and onboarding experience for developers.
- Created reusable GitHub Actions and optimized CI/CD workflows to accelerate infrastructure provisioning and deployment cycles.
- Integrated custom Atlassian Confluence plugin and authored Backstage scaffolding templates tailored to Philips' microservice architecture.
- Published open-source Backstage plugins to NPM, promoting reusability and adoption across internal teams.
- Led the deployment of a complete observability stack in a dedicated Kubernetes namespace using Helm and OpenTelemetry.
- Implemented manual instrumentation of microservices with OpenTelemetry SDKs (Python), tracking request duration, service-specific events, and domain metrics.
- Deployed telemetry pipelines for metrics/logs across services within the LWS system, enabling deep insights into service performance and reliability.

### Philips

*Software Development Intern*

June 2023 – April 2024

*Bangalore, India*

- Built full-stack features for the Developer Portal using React and Node.js.
- Implemented search enhancements and performed routine bug fixes across micro frontends.

## PROJECTS

### Backstage Plugin: Scaffold Insight Viewer | NPM

- Created a custom plugin for Backstage to visualize scaffolded templates and their metadata.
- Enables engineering teams to gain insights into template usage and adoption.
- Published and maintained as an open-source NPM package.

### Fastest-Fingers (Typing Game) | Live Demo

- Developed a multiplayer real-time typing game with live leaderboards using WebSockets.
- Built with Socket.io, React, Tailwind, TypeScript, and deployed on Vercel.

### Weather App | Live Demo

- Simple weather forecasting interface using public Weather API.
- Built using Next.js, Tailwind CSS, and TypeScript.