

Akshay Pai

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EDUCATION

NIT TRICHY

BTECH IN CS

Expected May 2020 | Trichy, India
Cum. GPA: 8.3 / 10.0

LINKS

Github:// [paiakshay998](https://github.com/paiakshay998)
LinkedIn:// [akshay-pai](https://www.linkedin.com/in/akshay-pai)
Medium:// [PaiAkshay998](https://medium.com/@PaiAkshay998)

COURSEWORK

UNDERGRADUATE

Data Structures Algorithms
Discrete Mathematics
Linear Algebra
Combinatorics Graph Theory
Computer Organization
Operating System
Operation Research
Networks and Communication
Finite Automata

SKILLS

PROGRAMMING

Languages:
JavaScript • Python • Golang
Java • C++

Tools:

Git • SQL • Docker • Ansible
• Vim • Kubernetes

WEB DEVELOPMENT

HTML • CSS • jQuery • Laravel
• Django • Flask • ReactJS
• MobX • Bootstrap

EXPERIENCE

GOOGLE | SOFTWARE ENGINEER | [Apigee](#)

August 2020 - Present | Bangalore

- Work on GCP's Apigee to allow customers monetize their APIs in Apigee's Hybrid architecture.
- The runtime plane is built using a **Kubernetes-First** approach and the core logic is written in **Java**.

GOOGLE | SOFTWARE ENGINEER | [Project Shield](#)

August 2020 - Present | Bangalore

- Work 20% of my time at Google on **Project Shield**, which is a free service built by Google to defend against DDoS attacks
- The core logic is written in **Python**

ARCESIUM | SOFTWARE DEVELOPER INTERN

May 2019 - July 2019 | Hyderabad

- Built an automated solution for creation and generation of new categories of financial documents.
- **Reduced time** to setup and generate these new categories by **over 40%**
- Designed and coded a REST API for the backend along with an interactive UI in ReactJS and MobX.

PROJECTS

AESSNARK March 2020

- Built a platform to verify ownership of AES128 key in Zero Knowledge using the Pinocchio protocol
- The SNARK proof was written using C++ which was used by a P2P network written using Python. The UI was built with ReactJS

DALAL STREET 2018 Jan 2018 - Mar 2018 | [Github](#)

- A multiplayer virtual stock market game, with a server that provides a **gRPC API** written in **Golang** to support **hundreds of concurrent requests**.
- Lead a team of programmers to make a realtime virtual stock market with interactive UI written in **ReactJS**.

DMAPS 2018 Aug 2018 | [Github](#)

- Built a decentralized alternative for Google Maps. The application was built on **Ethereum**. Smart contract was written in **Solidity** and front end with JavaScript.
- **Winning project at ETHIndia** - Asia's largest Ethereum Blockchain Hackathon.

AWARDS AND ACHIEVEMENTS

2018 Winner/70+ Teams ETHIndia - Asia's biggest Ethereum Hackathon
2019 Winner/50+ Teams Webbed - SpeedDev Event, Vortex NIT Trichy