

# Prathik Pugazhenth

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[Linkedin](#) | [LeetCode](#) | [Github](#)

## EDUCATION

### Vellore Institute of Technology, Vellore

June 2018 - July 2022

Bachelor of Technology, Computer Science | CGPA: 8.88

**Courses:** DBMS, Operating Systems, DBMS, Software Engineering, Data Structures and Algorithms, Computer Architecture & Organisation, Parallel Distributed Computing, Cyber Security, HCI, Web Mining, OOPS, Network & Communication

## SKILLS

**Programming Languages:** Python, Typescript, Javascript, HTML, CSS, JQuery, Java, Solidity

**Databases:** MySQL, MongoDB

**Cloud Technologies:** Azure, AWS

**JavaScript Frameworks/Libraries:** React, Redux, Next js, Emotion js, Nest js, Node.js

## ACHIEVEMENTS

- **Finalist (top 60)** in Bajaj HACKRX2.0 hackathon among **900 teams**. July 2021
- Selected as a **Developer** in **Microsoft 365 Developer Program** Jun 2021
- **Head Of Web Development** team in **Heritage Club** Jan 2021
- **Runner up** in **UNCONFERENCE** out of **15 teams** (conducted by **IIT Madras**) Jan 2020
- **Top 6 finalist** in **Operating System Hack** out of **50 teams**. Nov 2019

## EXPERIENCE

### SDE

Jul 2022 – Jul 2024

Bajaj Finserv Health | React.js, Next.js, Node.js, Nest.js, MongoDB, ELK, Azure

- Handled end-to-end maintenance responsibilities for **three key B2C modules**, driving **98% of website traffic**. Demonstrated **proficiency** in **stabilising pages** and **significantly reducing bug counts** by **95%**.
- Implemented **AMP** and **boosted Page Speed Score** from **65 to 99**.
- **Lead the development and management** of **2 critical modules** within the **doctor's portal**.
- Setup **Validation rules** and **pipelines** for **B2C and DRx (Doctor's portal) squads** and **achieved reduction of codebase errors** by **80%**.
- Achieved a **25% reduction** in application **build time**.
- **Designed architecture** for **CanvasRx**, an **in-house package** enabling doctors on our platform to **upload images**, **annotate**, and **mark crucial elements during consultations**.

### SDE Intern

Jan 2022 – Jun 2022

Bajaj Finserv Health | React.js, Next.js, Typescript, Emotion.js

- **Enhanced user experience** across **B2C pages** while achieving an **impressive 85% reduction** in **page load time**.
- **Elevated Doctor Profile Page performance** from a score of **34 to 88** in Lighthouse through the implementation of **server-side rendering** and **caching techniques**.
- **Reduced** number of **poor URLs** from **11380 to 562**.
- Improved **SEO score** of Doctor Profile Page (**92% of website traffic**) to **98**.
- Setup **elk logging** which helped in **monitoring and reducing** the number of **4xx errors**.
- **Setup Sonar pipeline** and resulting in a **significant increase** in **code coverage** from **0% to 55%**.

### Summer Intern (Business Analyst)

Jun 2021 – Aug 2021

UBS | Alteryx, ARIS, Pandas

- Worked in Alteryx to design efficient workflows to **handle large datasets** and **pre-process** them for further analysis. Successfully converted **3 macros (EUAs)** into **Alteryx workflow**.
- Worked in ARIS to map different processes to find the scope of digitization and reduce manual tasks. successfully **mapped 11 processes** and as a team were able to reduce **7000+ manual/redundant** tasks to around **500 unique tasks**.

E-Cell, Vellore Institute of Technology

- **Conducted interactive sessions** to educate **young aspiring entrepreneurs** about **startup concepts**.
- **Organised** successful **Pilot events** of **Futurepreneurs** and **Udaan** with **~1000 participants** each.
- Guided **3 startup ideas** to get incubated in **VIT TBI (Technology Business Incubator)**.
- **Managed E-Summit (Annual Entrepreneurship Fest)** with **~6000 participants**.

## PROJECTS

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**Health Wordle** ([Link](#)) | React, Typescript, CSS

Mar 2022

- Wordle with health words to **improve user engagement** in the **HealthRx website**. This **increased the daily website & app users by 55%**.
- Has a collection of **100+** health related terms and **100+** health articles to direct users about the term.

**ETL pipeline for HSE** (classified) | Alteryx

Jul 2021

- Developed **ETL pipeline** to import data from **HSE** which reduced processing time from **~2 hours** to **<10 minutes**

**MakeItViral** ([Link](#)) | Python, Clarifai, Selenium

Apr 2021

- A smart **Instagram Hashtag Recommender** using **Clarifai API**.
- Image specific hashtag **analyzer**. Gives **top 10 hashtag suggestions**.
- Instagram hashtag **data analysis-based no. of posts & frequency of posts** using **selenium**.

**Voting DAPP** ([Link](#)) | HTML, CSS, Javascript, Solidity, Ganache, Metamask

Feb 2021

- A **Fully Decentralized Application** on the **Ethereum Blockchain** to make remote voting secure.
- **Role based** permissions and actions.

## CERTIFICATIONS

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**Advanced Google Analytics**

Oct 2023 – Oct 2026

Google | ([Certificate](#))

**Problem Solving (Intermediate)**

Nov 2020

HackerRank | ([Certificate](#))

**React**

May 2021

HackerRank | ([Certificate](#))

**Developing AI Applications on Azure**

Apr 2021

LearnQuest | ([Certificate](#))

**Python**

Sept 2020

HackerRank | ([Certificate](#))

**Programming, Data Structures and Algorithms Using Python**

Mar 2020

Indian Institute of Technology, Madras | ([Certificate](#))

**Fundamentals of Parallelism on Intel Architecture**

Oct 2019

Intel Corporation | ([Certificate](#))

**Theory of computation**

Sept 2019

Indian Institute of Technology, Kanpur | ([Certificate](#))