

YASHWANT SAINI

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Education

Thapar Institute of Engineering & Technology

Bachelor of Engineering (B.E.) in Computer Engineering, CGPA: 8.76

2018 - 2022

Patiala, Punjab

Work Experience

Amazon

January 2022 – June 2022

SDE Intern

Bangalore, Karnataka

- Developed a Ticketing Plugin for Amazon's Internal Anomaly Detection Platform, which cuts tickets with all the required anomaly insights to reduce the ticket resolution time for the Marketing Team.
- Worked on User Interface improvements for an Internal Anomaly Data Visualization Tool.

Trell

September 2021 – January 2022

SDE Intern

Bangalore, Karnataka

- Worked on the Cash Communication module, which enabled automatic SMS handling for Trell Cash credit and expiry.
- Developed Cart Nudge functionality, which helps customers add products to complete certain offers.
- Worked on the Content to Commerce module, which integrates Trell Videos with Trell Shop to drive sales.

UBS

June 2021 – August 2021

Summer Intern

Pune, Maharashtra

- Developed an analytics dashboard for UBS's internal Reference Architecture Portal using Power BI and Azure Application Insights to help analyze the collected data from the Insights SDK.
- Developed an internal Android SDK/NDK image to be used in the pipelines and standardized the Android pipeline.
- Worked on the Sysdig Secure Inline scan module to detect vulnerabilities in docker images.

Projects

Vaartalaap Interview Portal | *Node.js, React.js, MongoDB, Socket.IO, WebRTC (simple-peer)*

Heroku

- Vaartalaap is an interview and discussion platform having a high-performance open-source code execution engine called Piston, enabling users to compile and execute code in 50+ programming languages.
- Implemented the collaborative code editor using CodeMirror that handles conflict resolution using CRDTs when two or more users collaborate on the same document.
- Used WebRTC (simple-peer) to create a mesh network of users in the same room to enable video/audio calls.

Thapar's Admission Chatbot | *JavaScript, CSS, Python, Flask, NLTK, Azure*

Github

- Developed the hybrid user interface for Thapar University's official chatbot and trained it on various intents to help parents/students during 2020 admissions.
- The Chatbot was live on Thapar's official homepage and handled 4000+ queries during 2020 admissions.

Volunteer Experience

InnovationM

April 2021 – August 2021

Backend Developer Intern

Noida, Uttar Pradesh

- Developed Backend for the internal IT Asset Management Portal using Node.js, Express.js, and MongoDB.
- Containerized the complete application using Docker and created an automated first-time seeding script for dynamic dropdowns on the React.js frontend.

Aarogya Prahari

July 2020 – September 2020

Project Fellow

Patiala, Punjab

- Developed a multilingual chat interface for Aarogya Prahari's official homepage to query all the latest information regarding coronavirus in every state and city.
- The Indian Council of Medical Research funded this project.

Technical Skills

Languages: C, C++, Python, JavaScript, Java

Databases: MongoDB, SQL

Libraries/Frameworks: Node.js, React.js, Express.js, Flask, Django

Developer Tools/Platforms: Git, Docker, GitLab CI, Linux, Azure, Heroku, PowerBI

Coursework: Data Structures, Algorithms, OS, DBMS, Computer Networks, Graph Theory