

HEMANTH SABBISSETTI

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EDUCATION

Birla Institute of Technology and Science Pilani
B.E., Electronics and Communication Engineering

July 2023
8.32 GPA

TECHNICAL SKILLS

Subjects / Electives: Data Structures and Algorithms, Computer Programming, Object Oriented Programming, Operating Systems, Software Development for Portable Devices, Information Retrieval, Machine Learning
Technical Proficiency: Java, Python, C++, C, Spring Boot, Spring MVC, Angular, TypeScript, Apache Kafka, SQLAlchemy, FastAPI, MySQL, GitHub

WORK EXPERIENCE

Fiorano, Software Engineer
Bangalore, India

July 2023 – Present

- Implemented RESTful APIs to support frontend functionalities and ensure seamless data flow.
- Developed and enhanced functionalities of eStudio, an Eclipse-based tool for creating business flows, focusing on UI improvements and bug fixes.
- Designed and implemented Angular components for API and ESB (Enterprise Service Bus) dashboards, contributing to enhanced user experience.
- Engaged in cross-functional communication with various teams to coordinate project requirements and ensure alignment on deliverables.
- Conducted rigorous testing of dashboards and applications, identifying and documenting bugs to maintain high product quality and user satisfaction.
- **Technologies Used:** Java, JaxRS, Angular, TypeScript, MySQL, HTML, CSS, RESTful APIs.

Disney+Hotstar, Software Engineering Intern
Bangalore, India

July 2022 – Dec 2022

- Implemented an **EPG (Electronic Programming Guide) Widget** that helps users to track the upcoming releases in the Hotstar platform.
- Developed a feature allowing users to seamlessly add content release times from the EPG Widget to their personal calendars (e.g., Google Calendar, Outlook), facilitating easy tracking and reminders.
- Created an administrative dashboard to oversee and manage content displayed within the EPG Widget, ensuring timely updates and maintaining content relevance.
- Implemented tools for content scheduling and management, enabling efficient monitoring and adjustment of programming details.
- **Technologies Used:** Python, React, Kafka, MySQL, SQLAlchemy and FastAPI

Swecha, Software Development Intern
Hyderabad, India

May 2021 – July 2021

- Designed and developed a Fake News Detection solution consisting of a website and a web extension, providing real-time fact-checking capabilities.
- Implemented a system that quickly verifies news claims against a comprehensive fact dataset using Natural Language Processing (NLP) techniques.
- Automated fact-checking in the Indian context and providing explainable responses using trustworthy news sites.
- **Technologies Used:** Python, HTML, CSS

PROJECTS

Book Exchange Portal - Web Development

Mar 2022 – Apr 2022

- Created a user-friendly interface allowing users to list books for exchange, browse available books, and request books from other users.
- Implemented a system for users to lend books to others for a particular period of time.
- Developed features to manage book requests, facilitating seamless communication and transaction between users.
- Integrated login functionalities to authenticate users, ensuring secure access to personalized features such as book listings, requests, and lending activities.
- **Technologies Used:** HTML, CSS, Java, MySQL

Heartbeat Classification and Arrhythmia Detection - Machine Learning

Jan 2022 - May 2022

- Managed a team of 4 members in a project focused on classifying heartbeats using ECG (Electrocardiogram) data.
- Conducted in-depth research on existing algorithms like Echo State Networks and methodologies used for heart-beat classification based on ECG signals.
- Implemented and optimized machine learning and signal processing algorithms like ResNet, CNN to classify heart-beats into five distinct classes, ensuring accuracy and reliability in classification outcomes.
- **Technologies Used:** Python

CovAid - App Development

Oct 2021 - Nov 2021

- Developed an android application which helps users to track essential items such as beds, plasma, ensuring availability transparency during critical times like Covid.
- Used datasets to gather required information to present the data to users.
- Implemented intuitive user interfaces (UI) and navigational features to facilitate seamless access to information, enhancing user experience and accessibility.
- **Technologies Used:** Java, Google FireBase

EXTRA CURRICULAR ACTIVITIES

Department of Publicity and Public Relations

- Member of Department of Publicity and Public Relations, pitching colleges for fests at BITS Pilani, Hyderabad campus

Department of Firewallz

- Member of Firewallz Department, manages the fests at Bits Pilani Hyderabad Campus

Sports and Hobbies

- Badminton, Carroms, Chess, Cooking