Jayash Satolia

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EDUCATION

IIT BHU VARANASI, IN
Bachelors of Technology
May 2023 | Varanasi, IN
Major: Mining Engineering
Cum. GPA: 8.08 / 10

SKILLS

TECHNICAL SKILLS
Algorithms • Data Structures • Python3
Django3 • Flutter • PostgreSQL • Git
Azure • Linux • VSCode • Stripe • Admob
• Java • C++ • HTML5 • CSS3 • Latex

SOFT SKILLS
Bilingual Communicator (English & Hindi)
Mentor • Motivated • Flexible

EXPERIENCE

EMPOWERNET MENTORSHIP
Backend Software Engineer
- Empowernet is a digital platform that aims to connect young women from under resourced communities with college aged mentors globally, whose skillsets, experience, and interests are relevant to the mentee's career and academic aspiration.
- Implementing best mentor search, connecting them, scheduling meetings on video call, text and voice chat in the Backend API.

IIT BHU CHESS CLUB
Mentor & Tutor
- Mentored 12 Freshers group in IIT BHU Chess Club and Taught some Middle Game Tactics which are not covered in Books.

INDUCTION PROGRAM 2020
Mentor
- Conducted SCS Mentorship program to help freshers to get fit into college's environment.

TECHNICAL PROJECTS

SMARTPREP APP | Mobile App | API
December 2021 | Home Project
- **Exposure** : Python | Django Rest Framework | Flutter | Sqlite3 | Azure App Service | Stripe API | Admob | Git | VSCode | Linux | Katex.
- Developed a mobile application from scratch using **flutter** that helps users to prepare for various competitive exams held in India by providing : **Quality** daily questions | Weekly Competitions | Practice Questions | Best Question of the Day | Rewarded Questions | Quote of the Day.
- **Features** : Smartprep App have 4 types of **Subscriptions** : Free | Standard | Premium | Ultimate. Users can **Rate** questions on the basis of **Quality** and difficulty, Add new questions on the Platform, Access an exam specific **Forum** where they can discuss questions and other things with their peers.
- Utilised **Django Rest Framework** to implement Card Payment using **Stripe Payment Gateway**, Token Authentication & multiple Features related to questions in API. Used **Sqlite3** for Database & **Azure** for Deployment.
- Utilised **Flutter** to implement Frontend of App, **Admob** Banner & Rewarded Video Ads, **Katex** for Maths Questions, **Pagination**, SplashScreen, Homepage, Practice Section, QuestionView, Sharedpreferences and Sqflite for storing tokens and questions mobile storage.

ECOMMERCE MARKETPLACE | Website, API
March 2021 | Rajasthan, IN
- Developed a Web Application and API that allows people to get daily use items within 2 hrs completely online.
- Included Unit Testing for multiple patches of code to increase the test coverage of Application.
- Used Django Templates, HTML5, CSS3, JS to build Frontend of Website.
- Used Basics of Docker to Containerise Backend of Application.
- Hosted Complete Website on pythonanywhere.
- Utilized PostgreSQL DB to build Webapp's Database Model.
- Exposure : Python 3 | Django | PostgreSQL | Git | HTML | CSS | JS | Docker

MAFIA ONLINE | Game, API
April 2021 | Rajasthan, IN
- Developed a Game that allows users to play Family Mafia Game completely online with their Friends and Family with the features of Voice Chatting.
- Utilized Concepts of Object Oriented Programming to Structure the Code.
- Used Django Rest Framework to develop API of the game and Webrtc to setup Voice Chat.
- Used ReactJS, HTML, CSS and JS to build Frontend of Game.
- Exposure : Python 3 | Django | Postgresql | Git | React | Webrtc

ACHIEVEMENTS
- Scored world rank of 2185 in Google Hashcode 2022.
- Selected in top 1% of Candidates in Summer of Bitcoin Qualification Round.
- Qualified IIT JEE (India's hardest engineering entrance exam).
- Finalist of All India Chess League from IIT BHU Team & Quarantine Chess Battle.