Satyam Kumar

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EDUCATION

National Institute of Technology Hamirpur — Himachal Pradesh, India
Bachelor of Technology - Computer Science and Engineering; CGPA: 9.23 — *July 2019 - June 2023*
Courses: *Engineering Mathematics - I,II and III, Operating Systems, Data Structures, Analysis Of Algorithms, Databases, Compiler Designing, Computer Graphics*

SKILLS SUMMARY

- **Languages**: C++, Golang, Java, Kotlin, Python, SQL, HTML/CSS
- **Frameworks**: Android, Kafka, Redis, Elasticsearch, Django, Django-rest-framework, Bootstrap
- **Tools**: Android Studio, VS Code, Anaconda, GIT, GNU Debugger, MySQL, SQLite, PostgreSQL, Valgrind
- **Platforms**: Linux, Mac OS, Web, Windows, Firebase, AWS, Arduino
- **Soft Skills**: Leadership, Event Management, Writing, Public Speaking, Time Management

EXPERIENCE

Google Summer of Code 2021 - MBDyn — Remote
C++ Developer (Full-time) — *May 2021 - Aug 2021*
- **Recognizing Physical Dimension**: Added a method to return the physical dimensions of the components of the equations.
- **New Convergence Test**: Created a new convergence test that compares the residual norms according to the physical dimension of the component.
- **Tech**: C++, GNU Debugger, Valgrind

ZEDEDA — Remote
Cloud Backend Developer — *Jan 2022 - Present*
- **Password**: Updating Password Policy
- **Tech**: Golang, kafka, Redis, Elastic, Micro Services

Atom EI — Remote
Android Application Developer — *Oct 2021 - March 2022*
- **Java to Kotlin**: Refactoring the code-base from java to kotlin
- **Tech**: Android, Kotlin, Java, Firebase

Kapadh — Remote
Android Application Developer (intern) — *Jan 2021 - March 2021*
- **User Registration**: Created the registration part for customers and service providers.
- **Service Provider End**: Service providers can accept request of consumers and can access other features like history, profile, etc.
- **Customer End**: Customer can book their meetings with service providers, make payments and can access other features like history, profile, etc.

PROJECTS

- **Crebit - A blockchain based farmer loan system.**: A system where the loan issued can be used only at the registered shop to the organization insuring the loan amount is not misued for other purposes. Tech: Django, Blockchains, HTML/CSS, Bootstrap, Firebase (January '21)
- **AgroBits - A blockchain based stock market system for farming products**: A system where users can buy and sell stocks of products. The stock prices vary according to various factors like weather, market conditions, etc. Tech: Django, Pytezos, HTML/CSS, Bootstrap, Firebase (March '21)
- **Hikers Watch - An android application for hikers.**: Android application that provides geographical details important to hikers like location (latitude, longitude, altitude), weather forecast, etc. Tech: Android studio, XML, Firebase (Feb '20)

VOLUNTEER EXPERIENCE

Coordinator at App Team of NITH — Hamirpur, India
Organized events, workshops and seminars for over 2000 students. — *Dec 2020 - Present*

Executive Member at Technical team .EXE of CSE dept. NITH — Hamirpur, India
conducted online events like quizzes and coding competitions for over 2000 students. — *Dec 2020 - Present*

Executive Member at Hindi Samiti of NITH — Hamirpur, India
Organized offline and online events and workshops. — *Aug 2019 - Present*

HONORS AND AWARDS

- Winner of the Electrothon 3.0 Hackathon - May, 2019
- Awarded the title of GitHub Pro