KARAN BALANI

Technology enthusiast, focused on learning and improving by doing.

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EXPERIENCE

INTERN Jan 2019 - Mar 2019
NAG International
- Developed a cross platform application for collecting data about the resources available across the globe.
- Used tools like Firebase for authentication and storage solutions.
- Used app development frameworks like Flutter SDK and Dart as programming language.

TEACHING ASSISTANT Jun 2018 - Aug 2018
Coding Blocks
- Worked as teaching assistant for Android app development batch.
- Helped students to get started with tools like Android Studio and Java as programming language.
- Helped students to get into open source contributions and projects using tools like Git and GitHub.

EDUCATION

GLA UNIVERSITY, MATHURA, INDIA Aug 2016 - May 2020
B. Tech. Computer Science and Engineering CGPA - 8.47/10

SKILLS

PROGRAMMING
- C++, Java, Python, Go

TOOLS, UTILITIES AND FRAMEWORKS
- Android Studio, Git, Heroku, Flutter, Firebase, Tkinter

COURSE WORK
- Data Structures and Algorithms, OOPs

ONGOING WORKS

RESEARCH PAPER
- Framework for Encryption and Authentication Crypto-system (EAC) for Shared Cloud Storage.
- Submitted to GLA University, Mathura.

UNITED SHIELD SPACE
- Proof of Concept for the above stated research paper.
- Server written in Go with database hosted on MongoDB and Frontend written in Python.
- Both the server and client communicate using gPRC.
- Technologies used: Go, Python, MongoDB, gPRC.

PROJECTS

GLAU FIREAUTH ANDROID APP
- Native Android App for automatic firewall authentication within the GLA University's premises, allowing access to the internet facility provided by the University.
- Technologies used: Java for Android, Firebase for Analytics.

WEB APPLICATION DEPLOYMENT ON OPENSTACK
- Private cloud deployment using OpenStack.
- Used Nova compute instance to deploy app using LAMP stack.

YEAR PROGRESS BOT
- A bot for posting year completion percentage on Instagram.
- Scripted scheduled job for creating image programatically.
- Technologies used: Python.

MEDIBOT
- A bot to prescribe medicines based on input symptoms.
- Created for IBM Hackathon - Secured 3rd position.
- Technologies used: Python.

EXTRACURRICULAR
- Mentor at Google Code-In - 2018 & 2019. Leading projects under JBoss organisation and helping school students to contribute to open source community.
- Sponsorship Head at TEDxGLAU.
- Flutter Create - Contest by Google to create a Flutter App using 5 KB of Dart code.