

Devesh Bajaj

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Nationality: Indian | Date of birth: 25th July 1997

[GitHub:// deveshbajaj](https://github.com/deveshbajaj) | [LinkedIn:// devesh-bajaj](https://www.linkedin.com/in/devesh-bajaj)

Objective

I aspire to work in a challenging and focused environment to make the best out of my abilities. I'm currently seeking the right start, which will help to forge a strong foundation for my career trajectory.

Experience

Internship At Reliance Jio Infocomm Ltd / Under profile of

Big Data Analytics , Scalability and Caching May 2018 – July 2018

Internship Project

Cache Engine using Redis

- Created a cache engine with Redis (In Memory NoSql Database) with DropWizard Rest API
- Cache Engine was created to scale up to 200+ Million user and tested on Industrial standard

Developed a Health Monitoring System for Big Data App

- Java Melody Tool has been used to fetch all the Server stats (Physical as well as logical data) while running
 - Mongodb was used to store Stats and a Custom Web interface was build to show Aggregate stat and Health of Big Data App
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Education

VIT, Vellore / B. Tech in Computer Science

July 2015 - present, Vellore

CGPA: 8.43/10

Relevant Coursework: Problem Solving and Object Oriented Programming, Data Structures and Algorithms, Internet and Web Programming, Internet of Things, Image Processing, CBIR Designing, Parallel and Distributed Computing, Data Mining, Web Mining

Skills

Programing expertise	Python (Core), C, C++, R, Java (Core)
Web Development	Node.js, Express.js, JavaScript, Bootstrap (Basics), Django , Angular
Database	SQL Server, MongoDB, SQLite,, Redis , Apache Ignite
Java EE	Java Server Pages, Java Servlets, DropWizard , Maven
Other Skills	Shell Script, PHP, Internet of Things, Android App Development, Data Science , Machine Learning, Golang
MOOC	<ul style="list-style-type: none">• Introduction to Data Science in Python• Applied Plotting, Charting & Data Representation in Python• Applied Machine Learning in Python

Awards

2nd price in CANSAT 2017 Satellite competition organized By American Astronautical Society (AAS) and Recognized by NASA.

Projects

University Rover Challenge

October 2017 - Present

- *Rover Control and maneuver on the Martian terrain*
- *Autonomous traversal of the rover between distinct coordinates and autonomous movement of robotic arm mounted on rover by inverse kinematics*

3D Reconstruction of Image by Stereo Image and Prediction by CNN

January 2018 - April 2018

- *3D reconstruction of image by Stereo images by OpenCV*
- *Development of CNN and its training by Keras and Tensorflow*

Smart Encrypted Piconet Network for IOT Devices

January 2017 - June 2017

- *A Piconet is an ad hoc network developed using Bluetooth for IOT devices*
- *RSA Encryption by Key Czar for message encryption between devices*

Marine Life Monitoring System

January 2017 - March 2017

- *It is a water hovering drone developed for people related to aquaculture to monitor their farm*
- *Google cloud was used for data transmission and a desktop application was created using Python PyQt*
- *Image processing was used to detect the presence of fish and prawn in water body by OpenCV*

Self Projects

Image Encryption by AES, Developing a python Library for Steganography, VTOP Beta 2.0, Shuffle: A Music Streaming Website, Food Cuisine Prediction Kaggle data mining Problem

Leadership Experience

CSE Co-Head for SEDS (Student for Exploration and Development of Space) Project Team, VIT, Vellore

July 2017 - Present

Programming Lead of the Team Vyadh

October 2017 - Present

Ground Control Engineer for Team SEDS CANSAT 2017

September 2016 - July 2017