



MANISH BAGHEL



ACADEMIC DETAILS

Year	Degree / Board	Institute	GPA / Marks(%)
---	B.Tech in Mechanical Engineering	Indian Institute of Technology, Delhi	7.615
2016	AMU	Senior Secondary School Boys, AMU	91.4
2014	CBSE	Wisdom Public School	9.6

TECHNICAL SKILLS

- **Programming Languages and Environments** : Java, C, C++, HTML5, CSS3; **JavaScript(ES5 & ES6)**, **Solidity**, Python, NodeJS, ReactJS, React Native, AngularJS
- **Technologies: Blockchain (Experienced in Ethereum Blockchain)**, EOS chain, Machine Learning, **Neural Networks**, MongoDB, MySQL Android Studio(Beginner Level) & Experienced with Git, Amazon Web Services

INTERNSHIPS

- **CryptoSpaceX, Noida:** May 2018 - Jul 2018
 - Worked on **Smart Contracts** for an **MMORPG** concept fully built on **Ethereum Blockchain** using **ERC20 and ERC721** structure of Fungible/Non-fungible tokens.
 - Also, **proposed Sidechaining using LOOM Network** to save unnecessary Gas Cost of running codes, decreasing no. of transactions on the Main Net of Ethereum Blockchain.
 - **Modelled Game Economics**, handled inflation and deflation using various source and sink in the virtual game Universe for in game currency which is an ERC20 token built on Ethereum Blockchain.
 - Built a Web Application for detailed description of Game, also figured out **Auction Mechanism for in game assets**.
- **Indian Road Safety Campaign, IIT Delhi: Ambivan** Jul 2017 - Nov 2017
 - Developed a Web App which **enables live tracking of Ambulances** in service, connecting over 1000 ambulances.
 - Utilized Google Map API for live tracking with an emergency feature for calling Government operated ambulances.
 - Exploit Google powered CMS Firebase for Real-time database for syncing app & web Interfaces.
 - **Reduced time latency** between happening and reporting of the incident by several minutes leveraging push notifications to alert the ambulance driver.

PROJECTS

- **Logs Anomaly Detection (Nokia Pvt. Ltd)** Aug, 2018 - Now
 - Working to **dynamically identify regular expressions** which process on raw log text files and thereafter labelling them anomalous/normal.
 - Identifying which anomalies are likely to contain a common source and report a **minimal set of errors**.
- **Song Release Year Predictor (Prof. Rahul Garg) - Course project** Aug 2018
 - Trained a Machine Learning Model to predict release year of a song based on various attributes.
 - Using **ridge-regression with k-fold cross-verification** or **lasso-regression** to find the optimal hyper-plane.
- **Epub to text Converter (Prof. M. Balakrishnan) - Course project** Jan 2018 - Apr 2018
 - Built a **python library to convert E-Pub to plain text dynamically** which runs on a low processing power microcontroller using concepts of **OOP**.
 - Embedded the code on a Refreshable Braille Display containing Raspberry Pi so as to facilitate Visually Impaired People, enabling them to read digital text formats easily.
 - Designed a UI Framework to manipulate and control the text flow dynamically.
- **Krazily** June 2017 - Aug 2017
 - Led a team of three for building a social media platform for videos.
 - Took use of innovative framework including **ReactJS** along with Redux for managing **application state** in the frontend and for **two-way data binding** in the application for syncing Client side and Server side with cleaner Code.
 - Integrated Webpacks - an Open source JavaScript Module Builder for generating static assets so as to **generate dependency graph** and for avoiding redundant code.
 - Worked with Youtube Data API v3.0 for fetching data of various YouTube Videos .

EXTRA CURRICULAR ACTIVITIES

- Participated in **India's Biggest Ever Blockchain Hackathon** organised by **Consensys** with an idea of Central Wallet that enables user to make transactions without even connecting to Ethereum Blockchain.
- Participated in Microsoft **Code.Fun.Do** with an Idea of **Anonymous Chat Room** which maintains anonymity to a greater extent than ever.

POSITIONS OF RESPONSIBILITY

- **Technical Co-ordinator, Rendezvous** (May, 2018 - Sep, 2018)