

BHAVYA BORDIA

Information Technology

National Institute of Technology Karnataka

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www.github.com/bordia98

Course	University/Board	Institute	Year	CGPA/%
B.Tech.	NIT Karnataka	NITK Surathkal	2020	9.11
Class 12	CBSE	Tiny Tots Sr. Sec. School Banswara	2016	95.4
Class 10	CBSE	Tiny Tots Sr. Sec. School Banswara	2014	10

PROJECTS

TRAFFIC SIGNAL LIGHT VIOLATION DETECTION USING CNN

- Demonstrated a way of detecting vehicles violating traffic signal using video footage from cctv
- Implemented algorithm to find the white boundary line at traffic signal using image processing and opencv
- Detected the vehicles along with the traffic light and showed the vehicles violating the rule

BINARY KEYBOARD USING EYE WINKS AND BLINKS

- Designed a binary keyboard layout consists of 26 character, 4 punctuations, and spacebar which can be used by specially abled people
- Implemented blink and wink detection to write the character in an efficient way using dlib

NITK FACULTY RECRUITMENT PORTAL | Institute Project

- Part of a 5-membered team responsible for revamping the platform for faculty recruitment
- Developing a user friendly, easily editable platform replacing current static version; 50% potential effort reduction

HOURLY ELECTRICITY PRICE FORECASTING

- Worked on the real dataset to predict the Hourly Electricity Price (MAPE=12%)
- Used the 6 different topologies of MLP to compare the accuracy and time taken by them
- Worked with TensorFlow and Keras

D-SHARE | DECENTRALIZED APP

- Created a decentralized app for sharing profile information of person
- Used Ethereum network for the local blockchain
- Distributed the data of the User using IPFS in order to build fully Decentralized application

EXPERIENCE

INTERN | SAMSUNG R&D

[May '19 – Jul'19]

- Worked as a single membered team in the Voice Intelligence Department
- Implemented different Multimodal Fusion Techniques for the preparation of different models for the project
- Compared the efficiency and effectiveness of different methods used.

SOFTWARE DEVELOPER | TRUEBOOL

[May '18 – Jul'18]

- Developed apps for a small-scale retail business management firm and for coaching institution
- Implemented *ZXing API* for scanning barcodes present on products and adding them in the database for billing purpose
- Implemented *itextpdf* library for the generation of invoice and sharing them via accessible communication applications
- Implemented *barteksc* library for opening pdf documents and viewer for slides and other documents

ANDROID APP DEVELOPER | AADROKART, NITK

[May '17 – Jul'17]

- Worked in team of 3 to develop an app to reduce processing time for maintaining images by 35%
- Conceptualised and designed the user interface of the app to make in more used friendly

POSITION OF RESPONSIBILITY

CHIEF COORDINATOR | ENGINEER'19 [PRESENT]

- Chief Coordinator of the second largest Technical Fest of South India
- Responsible for managing different technical and non-technical activities throughout the Fest.

EXECUTIVE MEMBER HOSPITALITY TEAM | NIT CONCLAVE-19

- Part of the core Hospitality team; responsible for contacting and managing different NITs for the event.
- Responsible for handling all the connections and help required by the representatives of respective NITs

2ND YEAR REPRESENTATIVE | ENGINEER'17

- Part of the core team; led a 2-tier team of second and first year students in ENGINEER'17 to organise 40+ events
- Executed 15+ technical demonstration projects as a part of 20-membered *Technites* team

EXTRA CURRICULAR ACHIEVEMENTS	
Programming Skills	<ul style="list-style-type: none">• Languages: C++(basic), Java(basic), Python, C, Bash• Web Development: HTML, JavaScript, CSS, Django framework• DBMS: SQLite, MySQL, Firebase• Extra Stuff: OpenMp, MPI, Android Development
Miscellaneous	<ul style="list-style-type: none">• Awarded CBSE Merit Certificate and INSPIRE scholarship for ranking in top 0.1% nationwide• Competitive Programing: Active on popular websites like HackerRank and Codechef• Mentored first year students as part of NITK Prism program• Mentored NITK 24hr Women's Hackathon 'Athena'• Executive Member of Web Enthusiasts' Club, NITK• Executive Member of Marketing Team, Engi'16 NITK• Volunteered at HacktoberFest'17 and '18 for promoting Open Source Culture in college