

SHASHANK BHUSHAN

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EDUCATION

| Year | Degree | Institute | Record |
|----------------|--|---------------------------------------|-----------|
| 2017(expected) | Bachelor of Technology | Indian Institute of Technology Kanpur | 5.5*/10.0 |
| 2012 | All India Senior School Certificate Examination (CBSE) | Shiv Jyoti Kota | 73.4% |
| 2010 | Indian Certificate of Secondary Education (ICSE) | Don Bosco Academy Patna | 82% |

* - at the end of sixth semester

PROFESSIONAL EXPERIENCE

HACKERRANK (INTERVIEWSTREET TECH PVT LTD) | SOFTWARE DEVELOPER INTERN (May 2016 to Jul 2016)

- **Re-architected** the android app to fit **MVC framework** and ingeniously resolved 'Loss of State Error' created by android system
- Wrote **JUnit tests** using **Espresso framework** to test different apps with a specifically framed problem statement
- Implemented over a 100 snippets including **graph**, **search** and **sort algorithm** in Swift language latest version
- Worked on android **cloud emulator** to run JUnit test in **Ruby on Rails** and implemented version control functionality
- Augmented the online interviewing editor (CodePair) with a **new theme** and improved the supported **jQuery functions**

GOOGLE TRANSPARENCY | A GOOGLE-IIT PILOT PROJECT UNDER DR. KOUMUDI PATIL, PROFESSOR IIT KANPUR (Aug 2015 to Nov 2015)

- Maintained a **strict deadline** while building an app to facilitate transparency of government construction projects in India
- Integrated **Google Maps** with the android app and built features over Google Maps for **demarking roads and areas**
- Made API documentation on **Swagger**, integrated **crash analytics** tool with the app to monitor user behaviour
- **Graphically represented** the data collected through the app and used **dynamic layout** for showing properties of a project

CRANKOUT TECH PVT LTD | ANDROID APP DEVELOPMENT INTERN (May 2015 to Jul 2015)

- **Designed and implemented wireframe** for the app using **material guidelines** and latest support library
- Built services such as **Session Management**, **Cart Management** and **Background Task** for real time delivery update
- Worked on the **Personal wallet** for payment part and also integrated PayU wallet and net banking for secure payment

INTERFACE | ANDROID APP DEVELOPMENT (Jan 2016 to Mar 2016)

- Created a messaging app with **in-app database** to store offline data and wrote **custom animations** for high standard UX
- Formulated and implemented **backend table** structure for database and incorporated it with app via **REST APIs**

ENTREPRENEURSHIP

BELLO - ACADEMICS MANAGEMENT APP FOR EDUCATIONAL INSTITUTES

- **Conceptualized an idea** and developed **UI/UX** for features like **share files**, **course updates**, **discuss** with multi device support
- Provides service to upload **multiple files** using **camera/storage/cloud** at once with systematic directory management
- Integrated with **GCM** for having quick **notification system** to alert user of any relevant activity on the app
- Awarded **2nd rank at Google Hackathon** among 40 projects for **excellent code quality** and use of **self written library**
- Functioning across **8 IITs** with a user base of **1000+** college students, the aim is to reach all the government and private colleges

PROJECTS

UNIVERSITY OF CALIFORNIA LOS ANGELES | PROJECT UNDER DR SEAN D. YOUNG, PROFESSOR UCLA (Jan 2016 to Apr 2016)

- Collected voice data, processed it with Google **speech recognition** library and feed it to a server using **REST APIs**
- Deployed server to **Amazon web services** made using **MEAN Stack** and further retrieved information for research part
- Collaborated remotely while maintaining a **strict timeline** for project completion adhering to strict deadlines

TA202 | MANUFACTURING PROCESS PROJECT UNDER PROF. V.K. JAIN (Jan 2015 to Apr 2015)

- Realized whitworth mechanism and 4R linkage mechanism **optimized in MATLAB** to get the desired path trajectory
- Devised a **completely mechanical and automatic machine**, powered by rotation of its wheels in paddy field
- Designed and developed a working prototype of the machine and awarded the **Best Project among 60 other projects**

AURAPLAY - AN ARTICULATED MECHANICAL ROBOTIC ARM | ELECTRONICS CLUB PROJECT (May 2014 to Jun 2014)

- Interfaced a Raspberry Pi with a projector and created a **mobile fluid display** controllable through a mechanical arm
- Implemented algorithms for **screen tracking and mouse handling** through laser and made a doodling game using **Python**

TECHNICAL SKILLS

- **Programming languages** : Java, C/C++, Swift, Python, JavaScript, Ruby
- **Mobile and web dev tools** : Android Studio, Xcode, Eclipse, HTML, CSS, jQuery, CoffeeScript, Backbone.js
- **Backend tools** : Node.js, Ruby on Rails, Django, MongoDB, MySQL, PHP
- **Utilities & softwares** : Git, Bash, \LaTeX , Postman
- **Design software** : Sketch, Adobe Photoshop, SolidWorks, Autodesk Inventor, AutoCAD, Adobe Illustrator

LEADERSHIP SKILLS

CULTURAL SECRETARY | HALL EXECUTIVE COMMITTEE, HALL 3 (Jul 2014 to Jun 2015)

- Elected as cultural secretary in an electorate of more than **500 undergraduate** residents of the hall
- Organised and conducted Hall Day, the annual hostel banquet with a budget of **Rs 3 lakhs**, which was attended by **1100 people**
- Galaxy'15: Won the IITK inter-hall cultural festival for the **7th time in a row**, leading a contingent of around **1000 students**
- Organised interactive sessions and workshops for 1st year students throughout the year, that **increased cultural participation**

INTERESTS

Tech Startups & Entrepreneurship, Android Development, Graphics Designing, Data Structures & Algorithms