



# Annam Setu Durgesh Vinay

## Education

2015 - 2019 **Bachelor Of Technology**, *BML Munjal University, Gurugram, GPA - 8.72/10.*  
Computer Science

## Internship Experience

- June 2017 - **Software Engineering Intern**, *Tech Mahindra, Bangalore.*  
July 2017
  - Built a full stack web application using PHP and MySQL, which is used by the managers to track the issues/incidents occurred in the company's software.
  - Used Google Charts API to plot several charts to show the trends in the issues through a android application built with Java and a web interface built with JavaScript.
- June 2016 **Practice School.**
  - Went to several industries to understand and study their manufacturing and assembling processes.

## Achievements

- 2018 Secured 2<sup>nd</sup> position in HackBMU(Hackathon) 2018 for building a web application that convert sign language into speech with translation to native language
- 2017 Participated in ACM-ICPC Asia Amritapuri On-site Regionals 2017

## Projects

- 2018 **BloodDena**, *Full Stack*, PHP, MySQL.
  - Built a ERP system as a web application that monitors the request and donation of blood units between the donors and recipients.
  - It also includes clustering module that analyses the blood requests based on location and causality.
- 2018 **BMU Blockchain**, *Web Dev and CLI*, NodeJS, MongoDB.
  - Built a real time block chain application which has a server module for transactions which can be accessed through a browser and a CLI for miners to mine the blocks.
  - The blocks are secured by using decentralization of transactions using peer to peer network and proof of work.
- 2018 **BMU Gatepass**, *Android*, IOS, UI/UX.
  - Built a mobile application in both IOS and Android for replacing the manual gatepass system in the university into a fully automated system where the passes are synchronized based on their acceptance by parents and wardens with a minimalistic interface designing approach.

📞 +91 9494439237 • ✉ [vinayannam97@gmail.com](mailto:vinayannam97@gmail.com) • in [vinayannam](#)  
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- 2017 **BMU Feedback System**, *Full Stack*, Django, JavaScript.
- Built a feedback system using Djano as a REST API backend and frontend completely built with javascript using AJAX for HTTP requests.
  - It also includes a data analysis module to understand the feedback trends for each instructor.
- 2017 **pH Meter Lite**, *IOS*, SVM.
- Built an IOS application that captures the image of the litmus paper and gives you the approximate pH value of the solution based on the HUE value of the color on the paper.
  - The linear model is trained on the several labeled entries which are manually collected in the lab.
- 2017 **Electricity Control**, *IOT*, Arduino, NodeJS.
- Built a web application that contains a 3D model of the hostel building which shows a heat map of the electricity consumption of all the rooms and all the appliances are connected to Arduino micro controller which is connected to the server.
  - By using this application students can control their room appliances remotely and can turn off automatically when consumption limit is reached.
- 2016 **TEDxBMU**, *Web Dev*.
- Built a website for TEDx Event conducted in our university.
- 2016 **BB-8 Droid**, *Arduino*.
- Built a droid(robot) using Arduino, inspired by a character from star wars. It works on "Hamster wheel mechanism" . It is controlled through Bluetooth via a mobile application.
- 2015 **Mobile Door Lock**, *Arduino*.
- Built a door locking device using Arduino and built an android application for controlling the lock via Bluetooth.

## Technical skills

Languages	Python, Java, C, C++, HTML, CSS, JavaScript, PHP, Objective-C, Swift.
Databases	MySQL, MongoDB, SQLite.
Skills	Big Data, Data Analysis, Deep Learning, Fullstack Dev, Web Dev, Android Dev, IOS Dev, IOT.
Programming	Data Structures, Algorithms, Blockchain, Machine Learning models.
Frameworks	NodeJS, Hadoop, VueJS, Django, Pandas, Keras, Scikit, TensorFlow, Java Swing.

## Interests

Science and History	Like watching and reading about history, historical figures, science and scientists.
Space and Technology	I admire Sir Albert Einstein and love to explore the Cosmos.
Movies and Music	They boost my spirit.