Pratik Upacharya

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Selected Projects

All projects available on github : https://www.github.com/upa8

- **Autonomous Robot Car** : Implemented multi-threading in python to perform asynchronous task like controlling car , obstacle detection , image processing etc simultaneously in background. Increased the number of message transfer between raspberry pi and computer by 10 times by implementing websocket over http which further reduces number of tcp connections. Created android application to control car movements. Working on and learning machine learning and artificial intelligence to build complete driver less car.

- **Device Tracking System** - Created a web and android application to track android device at real time using background services and GCM. Reduced battery and data usage by 37efficient algorithm for background services with timer. Implemented this concept in "Trabus" android application to find and track buses in city at real time.

- **E-Greeting Cards Platform (Cupidic.com)** : Designed and developed "E-Greeting card" web application to send greetings to friends by customizing predefined templates.Created templates like 3D rotating cube in 3.js with 6 images around each side of cube and one heart shaped animation with flowers.

- **Thane Traffic App** : SOS application especially build for women safety in thane . Increased productivity and usefulness of application by implementing push notification system to send alert using GCM.

Experience

Associate Software Engineer, Xoriant, Pune   Aug, 2016 - Current
Developed a web service API in a mission critical, security sensitive environment using Nodejs. Fulfilling clients requirements using Elastic search, MongoDB, AngularJS and several javascript libraries.

Full Stack Developer Intern, Twheelo, Nagpur   May, 2015 - Current
Building a web and android application for renting two wheeler. Implemented retrofit library to reduce http connection time by 100 times than in-built Apache http connection in android. Working on and learning angularJs , NodeJs, expressJs , Postgres , Aws , Oauth etc

Technical Coordinator , Polaris2k16, Nagpur   Dec, 2015 - March 2016
Build an analytic tool for Polaris event to manage money collection , user and event information , track expenses , generate reports on online event feedback forms. Wrote API's to register user through android application. Wrote efficient scripts to send sms , emails to multiple user with delivery report to resend messages.

Full Stack Developer Intern, EnegeryLabs , Nagpur   June, 2014 - Aug, 2015
Leaned android and web development , build one android application "Thane Traffic App" for thane city which launched by Mr. Amitabh Bacchan on 27 feb 2015. Build backend web application to manage questions , user answers and admin rating on users answers for "whatsyourexcuse.co".

Technical Skills

Languages : Java, Javascript, Pyton, PHP, C, HTML, CSS, Sql
Tools/Frameworks : Nodejs, AngularJs,MongoDB,Mocha-Chai, Elastic Search, Android, Git, Mysql,Postgres, Bootstrap, Django, MeteorJS, LaTex, Raspberrypi, OpenCV ,Phonegap, AWS, Matlab, jUnit etc

Education

- **B.Tech in Computer Science**   2012 - 2016
  Ramdeobaba College Of Engineering, Nagpur, India CGPA of **6.47**/10

- **High School** - Jai Hind Senior College, Dhule (MSBSHSE) - 78.67%   2010 - 2012

- **Secondary School** - Jai Hind High School, Dhule , Maharashtra (MSBSHSE) - 95.09%   2000 - 2010

Achievements and Awards

- Won gold medal in Hackerrank-Week of code 17 by securing 52nd rank amongst 3576 participants.

- First Runner up in an overnight coding competition in a national event called COMPUFEST held in YCC.

- Felicitated by Mr.Amitabh Bacchan and Thane Police for creating android application named 'Thane Traffic app'.

- Conducted a workshop on Android Development for 200 student in RCOEM (Feb 2015)

More

Please visit https://upa8.github.io