

# Pushpdeep Gangrade

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## EDUCATION

**The University of North Carolina at Charlotte, Charlotte NC**

**May 2021**

Master of Science in Information Technology

**Rajiv Gandhi Technical University, Indore India**

**Aug 2013 - May 2017**

Bachelor of Engineering in Computer Science

## TECHNICAL SKILLS

**Programming:** JAVA, C++, C, HTML5, CSS3, JavaScript, Python, Kapacitor, Telegraph, InfluxDB, Grafana

**Scripting & tools:** Shell, batch, Android Studio, IntelliJ, Jupyter Notebook, Atom, Eclipse, GraphQL, REST API

**Databases:** SQL, Oracle, MongoDB, SQLite, AWS S3

**Platform and Libraries:** Node.js, AWS, D3.js, EC2, Firebase, Github, Lambda function, Postman, MS Office

## PROFESSIONAL EXPERIENCE

**Android Developer Intern | TWG Technologies**

**June 2020 - Present**

- Build advanced applications for the Android platform. Work on bug fixing and improving application performance.
- Collaborate with cross-functional teams to define, design, and ship new features.
- Unit-test code for robustness, including edge cases, usability, and general reliability.
- Continuously discover, evaluate, and implement new technologies to maximize development efficiency.

**Technology Integration Engineer | Amdocs, India**

**Dec 2017 - Jul 2019**

- Configured monitoring tool using Telegraf, InfluxDB, Grafana and Kapacitor by writing TICKscript to monitor the network, system metrics in real-time which helped 90% of the time in root cause analysis.
- Configured eyeShare & developed workflows to automate the system, application tasks by embedding human decision points within workflows.
- Supported production systems outside of standard working hours to be on call 24/7 to help with issues.
- Participate in regular Disaster recovery drills to analyze and improve recovery time and reduced issues.
- Set up and managed 90 Linux servers with 99% uptime. Used Jenkins tool to cut release time by 20%.
- Deployed 4 software iteration per month on average. Boosted customer satisfaction with software by 30%.
- Wrote scripts to automate security upgrades and operating environment refresh. Cut vulnerabilities by 25%, saved 40% time.

**Software Developer Intern | Kangaroo Soft Pvt. Ltd, India**

**Jul 2016 - Aug 2016**

- Participate in software development using Agile methodology. Perform debug and performance analysis of code & systems.
- Assist the Network Management Systems team with documentation, specifications, designs, test plans, proposals, software design, development, and testing.
- Worked as Full Stack developer to develop a website for "Yes Fitness Club" using HTML, CSS, JavaScript, servlets, JSPs and MySQL.

## ACADEMIC PROJECTS

**Trip Organizer | Android Studio, Firebase, Google Places API, Recycler View**

- Developed an android application that allows users to manage the trips. Used firebase email password and google Authentication.
- The chatroom is provided for sharing text and images using firebase Real-time Database.
- Used Google places API to search nearby places, get a round-trip route to the trip location in google maps.

**Rangmanch | Node.js, MongoDB, UI Design**

- Developed a full-stack web application that provides service to organize online groups that host-in person events for people with similar kind of interest. Secured application by using node modules like the helmet, express validator module for data validation.
- Implemented the MVC model using the MEAN stack. Stored password in encrypted form using the Salt and Hashing technique.

**Universal Notes | Nodejs, REST API**

- Universal notes - Just like sticky notes which are accessible from anywhere from any device. Developed well-designed REST APIs. Consumed these APIs in integrating with the front end.
- Deployed application on the server, using Nginx reverse proxy. Wrote clear, concise and comprehensive technical documentation

**Attendance Tracker | Azure Face Recognition**

- Developed well-designed API for face detection and recognition using Microsoft azure cognitive services. APIs can be used in Automatic attendance system, automatic feedback tool by getting the emotion from faces.
- Developed playground for documentation using swagger tool. Proper use of security measures.

**Bitcoin price tracker | Mobile Development, FirebaseJobDispatcher, Bitstamp API**

- Android app to keep you updated on the bitcoin price with a beautiful line chart using mpAndroidChart library, Retrofit, and bitstamp API. App also displays the order book for bids and asks.
- The user can set price alerts and get notified every hour whenever the bitcoin price has fallen below the price set by the user. Used FirebaseJobDispatcher to schedule a job for sending a notification.

**Meeting Scheduler | Firebase Firestore, Fragments, Google Places Autocomplete API**

- Android app to schedule meetings, using Google Places Autocomplete API to search places, Date, time picker fragment, Fire store.
- Recycler view to display scheduled meetings sorted by date and time in the order of earlier to the later schedules.