

# 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

### Courses

*Mobile Application Development, Network-based Application Development, Algorithms and Data Structures, Knowledge Discovery in Databases, Principles of Information Security & Privacy, System Integration*

## TECHNICAL SKILLS

**Programming:** JAVA, C++, C, HTML5, CSS3, JavaScript, JSP, Servlet, Perl, Python

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

**Databases:** MySQL, Oracle, MongoDB, SQLite

**Platform and Libraries:** Node.js, AWS, D3.js, EC2, Firebase, AWS S3, 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 II | Amdocs, India**

**Dec 2017 - Jul 2019**

- Developed Self Service tool to perform ad-hoc tasks which saved teams' effort by 80%. Awarded as Star Employee.
- Coordinated TIG stack 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**

**Jul 2016 - Aug 2016**

- Developed software 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, GSON**

- 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.

**Bitcoin price tracker | Android Studio, Firebase Job Dispatcher, 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 Firebase Job Dispatcher to schedule a job for sending a notification.

**Email App | Android Studio, HTTP connections, Authentication**

- App to send, receive emails using REST API, OkHttp, Shared Preferences. The app allows users to Sign up & log in. Users can send emails to other registered users on the App. Inbox items are displayed using Recycler view, user can delete email from the inbox.

**News App | REST API, JSON Parsing**

- Developed Android app using newsapi.org API, JSON parsing, Recycler view to list the results and Picasso for rendering images. App uses child thread to perform data retrieval and parsing. Clicking on news item opens the news URL in WebView.

**Map App | Google Maps**

- Developed android app using Google maps activity, shows the route of co-ordinates using a polyline, maker at the start & end position. Geocoder to get the address from the location. Camera Update to move & zoom map camera to fit all the locations.

**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.