NEELKANTH DABHI

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EDUCATION

Master of Applied Computer Science Halifax, NS

Dalhousie University Jan 2020 - Aug 2021

Relevant Coursework: *Advanced Topics in Software Development, Advanced Topics in Cloud Computing, Data Management, Warehousing, and Analytics,Visual Analytics, Advanced Topics in Web Development,*

Bachelor of Engineering in Computer Engineering Ahmedabad, GJ

Gujarat Technological University Sep 2015 - June 2019

Relevant Coursework: *Data Structures, Analysis and Design of algorithms, Object Oriented Programming using JAVA, Advance JAVA, Theory of Computation, Operating Systems, System Programming*

SKILLS

Programming Languages:	Java, Java Script, Python, HTML, CSS
Tools & Platforms:	Git, JIRA, Firebase, Docker, Heroku, AWS, GCP, IBM Cognos
Libraries & Frameworks:	React.js, Node.js, Thymeleaf, Spring Boot, Material Design, NumPy, Pandas, Plotly Dash
Database:	MySQL, Firebase Real-time Database, MongoDB, Neo4j
Software Tools:	Visual Studio Code, IntelliJ IDEA, PyCharm, Android Studio, Postman, Trello
Design:	Adobe XD, Adobe After Effects, InVision

EXPERIENCE

Software Engineer Intern Rajkot, GJ

Eyuva Technologies May 2017 - June 2018

- Developed, maintained, and deployed code for in-house and client Android apps primarily using Java.
- Collaborated with developers and management team in an agile environment for product management and quality assurance using Continuous Integration and Test Driven Development.
- Teamed with senior developers to ensure Material Design best practices, resulting in clean and elegant app interface.
- Assured app compliance with Google Play Policies before every release.

Google Developer Group (GDG) Rajkot, GJ

Co-Organizer, Speaker Aug 2017 - March 2018

- Managed 4 events with 1000+ participants, collaborated with experienced designers and developers around the region.
- Delivered a session on Android Instant apps, which included Introduction to Instant apps, best practices and live hands-on with Android Instant apps.

PROJECTS

GitFolio *React, Styled Components, GitHub REST API (HTTP, JSON)* View Deployment

- Created React based web app with Styled Components and Fusion Charts.
- Added visualizations of personalized GitHub data such as repository, followers, and other account meta-data.
- Included data visualizations of user's contribution chart, top languages, and starred repositories.

Inside Rajya Sabha: Visualization of Q/A hour *Plotly Dash, Python, Pandas* View Demo

- Built an interactive dashboard to visualize the Q/A data of the upper house of the Indian Parliament.
- Provided visualizations for relations between different ministries, ministers and their party affiliation, and demographic distribution of Parliament members.
- Utilized NLP to leverage a large amount of textual data to visualize question description with histogram, heat map, choropleth map, sunburst chart, etc.

DBMS from Scratch *Python* GitHub

- Developed a console-based Database Management System using only Python's standard libraries.
- Implemented modules such as SQL Query Parser, Query Execution Engine, Transactions, SQL Dumps, ACID Properties, Logging, and ERD Generation, with parallel run support.
- Wrote all the methods of each module form the scratch without using any libraries, motivation behind this was to learn the workings of DBMS on as granular levels as possible.

Group Formation Tool *Java, Spring Boot, Clean Code, Design Patterns* [GitHub](#)

- Wrote modular, performant, and maintainable code with a team of 4 in a scrum environment.
- Followed best practices such as Test Driven Development (TDD) using Unit testing, Software Design Patterns, GitFlow, and S.O.L.I.D. principles.
- Engineered project's CI system, providing a comprehensive CI/CD pipeline.
- Programmed Group Formation functionality, to generate groups based on similarities and dissimilarities.

iSight *Android, Java, Azure, UI/UX, Accessibility* [View Demo](#)

- Built an app to helps people with low vision to understand surroundings.
- Designed UI/UX from scratch using gestures, voice, and haptic feedback, to facilitate needs of differently abled users.
- Used user's phone camera to capture the object's image and processed using Azure Vision to generate the descriptive text about the image, which includes describing an object, emotions, and extracting text from the captured frame.

FireBlog *Android, Java, Glide, Firebase, Adobe XD* [GitHub](#)

- Created a fully fledged photo blogging app backed by Firebase and followed Google's Design guidelines for app design.
- Incorporated complex features such as Live feed of user posts, real-time like counts, and user authentication.
- Implemented Firebase authentication, FireStore database, Crashlytics, Firebase notifications and Material Design components.

App Digger *Android, Java, Material Design* [Google Play](#)

- Created an app to share or extract any user apps in .APK format using native android app development with JAVA.
- Implemented in app search functionality to search system an user apps installed on the system.
- Developed features to provide critical system information such as availability of root access, display resolution, screen refresh rate, battery temperature, and voltage.

CERTIFICATION

Rest API Assessment (Intermediate) Certificate   Winter 2021
hackerrank.com/certificates/05f12121b9fe

Data Engineering, Big Data, and Machine Learning on GCP Specialization   Summer 2019
Coursera Credential ID BE8EWU23VWVD

Building Resilient Streaming Systems on Google Cloud Platform   Summer 2019
Coursera Credential ID HPUYERXYUR5Y

Google Cloud Platform Big Data and Machine Learning Fundamentals   Summer 2019
Coursera Credential ID QVUTHEM9ZTBC

Leveraging Unstructured Data with Cloud Dataproc on Google Cloud Platform   Summer 2019
Coursera Credential ID HSAA4NS352WA

Serverless Data Analysis with Google BigQuery and Cloud Dataflow   Summer 2019
Coursera Credential ID S8A9MSEKF5YJ

VOLUNTEER EXPERIENCE

Head of IT Cell [View Activity](#)
Pareewartann Charitable Trust, Rajkot

- Held volunteer position as a Head of IT Cell for more than three years.
- Handled programming duties including web design and record-keeping, digitization of documents, etcetera.
- Led team of 10+ team members to produce and maintain social media content of the trust's various campaigns.
- Maintained organization's WordPress site with 20+ pages and took responsibility to update the content regularly.
- Managed organization's social media presence; duties included continual posting, covering organizations events, increasing social media reach, and more.