KET PATEL

Computer Engineer

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CAREER OBJECTIVE

Enhance my skills and expertise in programming at its upmost degree to achieve the respectful place in world's renowned IT companies.

EDUCATION

- **Master of Applied Computer Science** **September, 2021 – Pursuing**
  Concordia University, Montreal, Quebec, Canada
  Cumulative Grade Point Average (CGPA) : 3.3
- **Bachelor of Computer Engineering - GTU** **August, 2020**
  Silver Oak College of Engineering and Technology, Ahmedabad, Gujarat, India
  Cumulative Grade Point Average (CGPA) : 9.08
- **Higher Secondary Education (Science Stream) - GHSEB** **March, 2016**
  K. R. Raval Uchchtar Madhyamik Shala, Ranip, Ahmedabad, Gujarat, India
  Percentile Rank : 93.88%(Science Theory)
- **Secondary Education - GSEB** **March, 2014**
  Nishan Higher Secondary School, Ranip, Ahmedabad, Gujarat, India
  Percentile Rank : 96.20%

JOB EXPERIENCE

Designation : **Software Developer** **September, 2020 – September, 2021**

Company : **Shrine Software Services Pvt Ltd**

Description : Worked as a back-end developer in Salesforce-Customer Relationship Management (CRM) for handling the sales and orders for the commercial website using the lightening platform's built-in as well as Custom Objects, Formula Fields, Validation Rules, Visualforce, Lightening Web Component (LWC), SOQL-SOSL queries, Rest-API calls, batches to update thousands of records and tools like Data Loader to import data in the platform.

PROJECT WORK

Project Title : **Deep-Learning with Pytorch**

Platform Used : Anaconda, Python, Pytorch, CNN(Convolution Neural Network)

Description : Designed CNN network to train a model on KMINST dataset to get the good accuracy in prediction of correct class. Applied various activation functions to maintain weight and bias of the network in between valid ranges. Also used Cross-Entropy Loss function to calculate the loss and back propagate the weights to get efficient model by optimizing it using Adam optimizer.

Project Title : **Reactive Gitterific**

Platform Used : Play Framework with JAVA

Description : Git based application with parallel processing approach which renders list of result based on searched topics, Git User Profile, Git Repository Profile, Git topic Profile as well as session management for topic searched by User to reduce the load on server for the same request. Used live Github Rest APIS to get the latest data and achieved parallelism by applying topics like CompletableFuture and Actor based programming of Play Framework with MVC Structure. Also implemented WebSocket for our main search page to broadcast up-to-date search result after every 10 secs without page refresh.

TECHNICAL SKILLS

Programming Languages & Platforms : *React, Rest-APIs, JAVA, Python, JavaScript, PHP, C, C++, Android, Docker, DockerSwarm , Salesforce(CRM), Apex, Aura Component*

Framework : *Play Framework with Java, Django*

AI: *Deep-Learning with PyTorch, Anaconda*

IDEs and Tools : *Eclipse, IntelIJ , PyCharm, Jupyter, Spyder, Visual Studio Code, Android Studio, Data Loader, Scheduled Batches,*

Database : *MySQL, SOQL-SOSL*

PERSONAL INFORMATION

DOB : *6th December, 1998*
Languages : *Gujarati, English and Hindi*
Nationality : *Indian*

Project Title : **WebApp with DockerSwarm and Docker**

Platform Used : Docker/DockerSwarm, Linux

Description : Created basic web app and deploy it on multiple system nodes using DockerSwarm and Docker in order to achieve the scalability, Fault Tolerance, Load Balancing between nodes and high availability of the System which are the key concepts of distributed system design.

Project Title : **City Oversight (Final Year Project of Bachelor)**

Platform Used : Python, Django Framework, Machine Learning API

Description : The website for municipal corporation to scan images of roads through image processing by trained model and find out whether it contains any garbage and potholes on it or not. Furthermore, citizens also have access to suggest locations for evaluation including their feedbacks and comments.

Project Title : **GST Billing System (Third Year Project of Bachelor)**

Platform Used : JAVA, MYSQL

Description : In finale of Industrial Hackathon 2019, developed web based application for retailers and wholesalers to calculate GST(Good Service Tax) on purchased and sold items as well as products in terms of months and years. It also possess features like stock management, report generation and loss-profit ratio for particular user.

Project Title : **Online Parking Booking System (Second Year Project of Bachelor)**

Platform Used : PHP, MYSQL

Description : Portal for management and booking of parking slots for four-wheelers in specific apartments or buildings, so users don't have to worry about parking availabilities.

EXTRA-CURRICULUM

- Machine-Learning with python webinar organized by GSA Concordia University.
- Explored about how in Machine Learning raw data has been filtered, labeled and prepared for training as well as various techniques to evaluate accuracy of trained model using python's advance libraries like NumPy and pandas by attending Python for Machine Learning workshop organized by GSA(Graduate Student Association) Concordia University.
- Learn about Google Cloud Platform through "Architecting with Google Compute Engine" course on Coursera.
- Become intermediate in Python language by courses on Coursera from University of Michigan.
- 13 months of real-time coding practise of various Web and Application Development technologies at Silverwing Technologies Pvt. Ltd.
- Developed coding logic proficiency from DMCP(Diploma in Multilingual Computer Programming) course at C-DAC, GIST.
- Emerged skills for long hours of programming practise by participating in State level Industrial Hackathon in year 2018 and 2019.
- Improved my management skills by volunteering in Cultural mega festival "Ambrosia" and event at my college's Tech-Fest.
- Understood common search techniques of Google Search Engine by attending the workshop on Google AdWords at Nirma University.