EASHAN BAJAJ

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ACADEMICS

Qualification	Institute	Board / University	Year	% / CGPA
BE Computer Science	Thadomal Shahani Engineering College	Mumbai University	2020	7.75/10
XII	Kishinchand Chellaram College	HSC	2016	80.46%
X	St. Mary's School I.C.S.E Mazagaon	ICSE	2014	93.00%

TECHNICAL SKILLS

Machine Learning	Python; NLP (Spacy); Computer Vision (Open CV / Tensor Flow)
Devops	Databases (SQL / MongoDB / Postgres / Firebase / Oracle); Cloud services (Google Cloud Platform (GCP) / AWS); Big Data (HIVE / Hadoop); GitHub
Data Analytics	Teaching / Presenting; Statistical Methods; Visualization (Tableau / Seaborn)
Product Management	Agile Methodologies; Design (Figma); Management (Trello / Linear)
Backend	Express.js; Jave; Golang
Frameworks	Flask; Django

WORK EXPERIENCE

BimaPe (YC W21, backed by Lightspeed India), Founding Member(2) & Software Engineer *08/2020 - Present*

- Grown the startup from 0 to 14,000+ users, growing 30% MOM and going from no funding to raising $550,000 in a period of 5 months.
- Architected our proprietary Policy Deconstruction Algorithm (PDA) - an intelligent Machine Learning & NLP driven approach to reduce complicated insurance policy documents(~40 pages) into jargon free snapshots.
- Analysed user behaviour and pain points to develop features to better simplify their policy coverage. This led to 200+ users changing their policies in order to be better insured.
- Product Manager for Awareness by BimaPe, gamifying insurance with interactive end to end products to successfully bias the user into making better purchase decisions.
- Served as a Mentor & Manager for 2 direct reports and successfully got them to push production level code in < 2 weeks of onboarding.

OMIC Healthcare, Software Developer *12/2018 - 08/2019*

- Collaborated with the CTO directly to define project objectives, interface design & technical requirements.
- Performed server-side deployments on AWS.
- Managed the applications' Django framework and implemented a conversational flow which helped in better onboarding of Doctor's to our platform.
- Maintained the SQL databases which housed several doctor's/patient's medical records and personal data.
- Performed data analysis and other tasks as per requirements to better optimise the product to improve the Doctor's experience.

Light of Life Trust, Data Analyst Intern *09/2018 - 11/2018*

- Developed various Database Management projects using SQL + Oracle for the Marketing & Communications Team of donors & sponsors.
- Part of the team responsible for organising 2 significant fundraising events and worked on the logistics that went with it.

PERSONAL PROJECTS

ID: Image Descriptor *2021*

- Image Descriptor is an application that involves Computer Vision and NLP concepts to recognize the context of an image to describe them in a natural language like English. It makes use of deep learning techniques of Convolutional Neural Networks and a type of Recurrent Neural Network (LSTM).
- The objective of this project was to apply the concepts I've learnt in CNN and LSTM models and build a working model of an Image Descriptor by utilizing them. Xception is used for extracting the features required by us. It is a CNN model with a dual layer architecture. It is trained on the sample dataset mentioned below. Once the features are extracted, they are fed into the LTSM Model which in turn generates the image descriptions.
- Technologies Used: Numpy, Tensorflow, Jupyterlab, Keras, Pillow, Tqdm, Python

- GitHub

Ebbs Marketplace *2021*
- Flask framework that allows the customer to make purchases as well as sell the items purchased in the marketplace. There is a starting budget of $1000 given to every new customer signing up to allow them to purchase the items in the marketplace that they like.
- Developed using technologies like Flask for the framework, DB Browser SQLite for the database and HTML for the UI.
- GitHub

Seaborn Visualisation *2020*
- Seaborn is a Python data visualization library based on matplotlib. It provides a high-level interface for drawing attractive and informative statistical graphics. Its plotting functions operates on dataframes and arrays containing whole datasets and internally perform the necessary semantic mapping and statistical aggregation to produce informative plots. Its dataset-oriented, declarative API lets you focus on what the different elements of your plots mean, rather than on the details of how to draw them.
- GitHub

Wikipedia Summarizer *2020*
- Creates a summary and Knowledge Graph (interconnected network of nodes basis their hierarchy) for the inputted topic of your choice from Wikipedia.
- It leverages Spacy for NLP and nodes relation, NetworkX for drawing the outputted Knowledge Graph, bs4 for scraping the data and Matplotlib for plotting.
- GitHub

Py-Da: Your Virtual Assistant *2019*
- Py-Da is a virtual voice recognition assistant that accesses Wikipedia & Wolfram Alpha to accurately answer the user's queries.
- Developed using Python with the Wikipedia and Wolfram Alpha APIs
- GitHub

Face Recognition *2019*
- A facial recognition software that uses Haarcascades and OpenCV to train and identify faces.
- Users can create and check whether their faces are being correctly recognised with their corresponding name.
- Architecture has been mapped with the SRD.
- The back end was implemented with Python and XML.
- GitHub

CO-CURRICULAR & CERTIFICATIONS

Social Work	• **Light of Life Trust**: Volunteer	**2018 - Present**
Honors & Awards	• **Winner of the Devfolio Health-a-thon 2020:** "Mobile Number Portability" brought to Health Insurance. Loom recording (Preview)	**2020**
Certifications	• Programming with Google Go (Specialization) - UC Irvine • Business Metrics for Data-Driven Companies - Duke University • Financial Markets (with Honors) - Yale University • Introduction to Psychology - Yale University	