

# FENIL DOSHI

Mulund(West), Mumbai | Contact- 8691817242 | Email Address : [fenildoshi25@gmail.com](mailto:fenildoshi25@gmail.com)

GitHub: <https://github.com/fenil25> | LinkedIn: <https://www.linkedin.com/in/fenil-doshi-96595914b>

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## **EDUCATION:**

**B.E. (Computer Engineering)** (2016 – Present): D. J. Sanghvi College of Engineering

[Sem 1: 9.15 | Sem 2: 8.67 | Sem 3: 10 | Sem 4: 10 | Sem 5: 9.85 | Sem 6: 10]

[Average: 9.61/10]

**Class 12:** Pace Junior Science College, HSC Board (2016)

[Score : 88.90%]

**Class 10:** Friend's High School, Mumbai-SSC Board (2014)

[Score : 95.40%]

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## **EXPERIENCE:**

1. Team Member And Mentor, DJ Unicode: Web Developer (Oct 2017 – Present):

Created a Book Exchange Web App, an application that facilitates the exchange of books amongst students. Currently, guiding juniors for a college level-canteen based web application.

2. Technical Head, DJCSE CodeStars (<https://djcodestars.info/>) (Oct 2018- Present):

Technical Head of the committee. Work included conducting lectures on competitive coding and creating problems for college-level coding competitions.

3. Intern, Fusion Engineering (<https://fusionengineeringtech.com/>): Computer Vision (June 2019 - Present):

Working on reading printed sheet music from images and converting to human-readable format by recognizing notes and their positions corresponding to staff lines using Computer Vision.

4. Freelancer, Produgal (<http://www.produgaltech.com>): Web Developer (August 2018):

Developed the above website for an investment based company in the USA.

5. Intern, Speridian (<https://www.speridian.com>): React.JS Developer (June 2018 - July 2018):

Developed frontend using React and Redux for multiple projects (currently live).

6. Intern, Symphony (<https://www.symphonyapp.xyz>): BOT Developer (Oct 2017 - June 2018):

Worked as a chatbot developer for an Android app that recommends music to a user based on mood, activity, genre, etc. The chatbot was built on DialogFlow using Node.js and Firebase.

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## **SKILLS:**

1. Programming Languages: C, Java, Python, C++

2. Web Development (HTML,CSS,Javascript,React.js,Redux,GraphQL,Django,Node.js) & Android Development

3. Machine Learning and Deep Learning

4. Competitive Coding (Codechef Profile: [https://www.codechef.com/users/fenil\\_25](https://www.codechef.com/users/fenil_25))(Rating: 2038)

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**PROJECTS:** (all the projects below are on GitHub under username fenil25)

- **Book Recommender System:** A system that recommends books based on user's preferences. It also provides search and ability to read the books on-site using Google Books API.

- **Event Application Screening Automation:** Using NLP (Bag Of Words Model), the application sorts out people on the basis of skills required by the organizer by going through the resume, GitHub and Quora accounts of the applicant by assigning individual scores on a scale of 100.

- **Refugee Database System:** Django based database system for storing information on refugees around the world. Web App also allows raising petitions and register NGOs for helping refugees

- **Stock Trainer:** A web application that gives trends and predicts prices of stocks (using a trained RNN network) based on the previous history and allows you to buy and sell stocks and other currencies with virtual money at real-time prices.

- **News Classification using Stance Detection:** A Deep Learning Algorithm using Word Embeddings and LSTM network that classifies a headline and article based on their stances. Furthered the research in this area by using novel architectures such as Temporal Convolutional Networks and Embeddings such as Bert, XLNet. Wrote a paper on the same, currently under review in ic4s. (<http://www.ic4s.org>)

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## **RELEVANT COURSES UNDERTAKEN:**

Machine Learning by Andrew Ng, Machine Learning A-Z (Udemy), Deep Learning Specialization by deeplearning.ai, Data Structures and Algorithms in Python (NPTEL), Introduction to Cryptology (NPTEL), Completed Applied CS with Android and Data Structures Course of Google, Attended Summer School on Computer Vision (<http://cvit.iiit.ac.in/cvsummerschool2019>) at IIIT-Hyderabad.

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**INTERESTS:** Mathematics, Chess, Competitive Programming, Watching Movies, Reading Books