Pratik Pingale

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Personal Profile

I seek problems to solve them. I Love to learn whatever that will make the future. Highly versatile and adapt quickly to a changing environment. Passionate, and specialized in Front-End Web Development alongside modern frameworks like React/Django and other libraries. Open Source contributor and Competitive Programmer.

Professional Experience

Convin.ai   *Pune, India*
Backend Engineer and Android Developer   *Sept 2021 - Apr 2022*

- Collaborated with a thirteen-person team to develop and integrate backend APIs using Django Rest Framework which improved and optimized data handling.
- Analyzed and performed speech-to-text conversion on customer call recording audios using Amazon Transcribe and Google Translate APIs along with AI based filters to recognize multilingual parts of speech.
- Build and deployed an organizational-level Android application with advanced functionalities like call recording and efficient background syncing for large audio files which aided a big management team of a renowned organization.
- Letter Of Recommendation ↗ .
- **Technical Skills:** Python, Django REST framework, Android, Kotlin, AWS, PostgreSQL, Ubuntu Linux, Scripting, Git.
- **Soft Skills:** Teamwork, Time Management, Communication, and Presentation skills.

Organizational Experience

AISSMS COE   *Pune, India*
Core Team Member Google Developer Student Club   *Sept 2020 - Sept 2022*

- Team leader of the Competitive Programming Team. Conducted many virtual and physical events for freshers and juniors.
- The events were based on Git, Data Structures, Algorithms, and Competitive Programming which helped them to understand the basic fundamentals and eventually get better at coding.
- Member of the Web Development Team. Contributed to the DSC AISSMSCOE ↗ official website.
- **Technical Skills:** Python with Algorithms, Data Structures, Tailwind CSS, Firebase, Git.
- **Soft Skills:** Leadership, Time Management, Communication, Logical Thinking.

AISSMS COE   *Pune, India*
Core Team Member Microsoft Student Club   *July 2021 - Sept 2022*

- Build a University Timetable Scheduler ↗ model with a colleague, that works using a Genetic algorithm and is portable for scheduling scenarios may it be a schedule for school, employee timesheet, etc.
- Designed to be flexible to any case with low time complexity compared to the existing models which were only useful in specific scenarios.
- Build a Certificate App ↗ for easier certificate generation and distribution. This helped the college's Sports department to handle competitions and events related certificates.
- **Technical Skills:** Python with Genetic Algorithms, Django, HTML5, CSS3, JavaScript, CI & CD, Git.
- **Soft Skills:** Teamwork, Time Management, Communication, Logical Thinking.

Projects

DarkSpider ↗   *Pune, India*
AISSMS COE   *Aug 2022 - Current*

- Identification of Network Structures of the Dark Web by Exploring its Topological Properties by crawling and extracting onion web pages via the TOR Dark web network using a multi-threaded BFS crawler.
- DarkSpider is a multi-threaded crawler and extractor for regular or onion web pages through the TOR network, written in Python.
- **Technical Skills:** Python with multi-threaded BFS crawler, TOR.
- **Soft Skills:** Presentation skills, Leadership, Teamwork, Logical Thinking.

Timetable Scheduler ↗   *Pune, India*
AISSMS COE   *Sept 2021 - Jan 2022*

- An intelligent timetable generator that generates a University timetable using a Genetic Algorithm.
- The project uses Genetic Algorithm to satisfy the Hard & Soft constraints related to the Timetable schedule.
- **Technical Skills:** Python with Genetic Algorithms, Django.
- **Soft Skills:** Time Management, Teamwork, Presentation skills, Logical Thinking.

Museum Gallery ⧉
Personal Project
Pune, India
May 2020 - Aug 2020

- A VR based Museum application made for enjoying museums from home.
- **Technical Skills:** Android with Java, Google VR SDK.

Twitter Sentiment Analysis ⧉
Personal Project
Pune, India
Apr 2022 - May 2022

- Twitter Sentiment analysis of tweets using vaderSentiment, CountVectorizer, and KMeans.
- Analyzing and cleaning texts using stop words removal, tokenization, stemming, and lemmatization.
- **Technical Skills:** Python with KMeans, Pandas, NumPy, seaborn, scikit-learn.

proxzima.dev ⧉
Personal Project
Pune, India
May 2022 - Current

- Highly customizable, easy-to-use, and minimal terminal styled website, powered by Next.js.
- **Technical Skills:** TypeScript with React.js and Next.js, HTML5, CSS3, JavaScript, and Shell Scripting.

Education

AISSMS College of Engineering
Pune, India

B-Tech in Computer Engineering
Aug 2019 - Current

- Organizing and managing technical events.
  9.38 SGPA
- **Courses:** Artificial Intelligence, Machine Learning, Deep Learning, Natural Language Processing, Blockchain Technology, Computer and Security, Database Management Systems, Data Structures and Algorithms, Computer Graphics, Discrete Mathematics
- **Honours:** Artificial Intelligence for Big Data Analytics, Machine Learning & Data Science, Statistics and Machine Learning, Data Science and Visualization

Pragnya Junior College
Pune, India

High School
Jul 2017 - May 2019

- Passed with Distinction
- Specialised in Physics, Chemistry, and Maths with Computer Science

Skills

Programming	Python (Numpy, Pandas, Jupyter, Django, Flask. etc.), C/C++, Kotlin, HTML5/CSS3, JavaScript, TypeScript(React.js), MySQL, PostgreSQL.
Miscellaneous	Linux, Shell (Bash/Zsh), LaTeX(Overleaf), Figma, Postman, Google Cloud, Firebase, Git.
Soft Skills	Time Management, Teamwork, Problem-solving, Versatility, Adaptability, Multitasking, and Public Speaking.

Achievements

2020	**Winner**, Internal Hackathon for Smart India Hackathon (SIH)	*India*
2015	**Winner**, District level Karate Competition	*India*

Interests

Linux	Since 2020, I have been in love with Linux. Linux ricing ⧉ is my hobby.
Anime	I enjoy watching anime of a few specific genres like shonen and seinen.
Video Games	I always had the gaming gene. I mostly play on my phone and occasionally on my PS3.
Karate	I started karate when I was 15. I have participated in a few state and national-level competitions.
Music	I enjoy almost all types of music but the genres I enjoy the most are aesthetic EDMs and electro.

Languages

English	Professional proficiency
Hindi	Native proficiency
Marathi	Bilingual proficiency