Yash Shah

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EDUCATION:

University of Southern California, Viterbi School of Engineering, Los Angeles **August 2021-May 2023**
[Master of Science in Computer Science]

SVKM's Dwarkadas J. Sanghvi College of Engineering, Mumbai **June 2018–May 2021**
[Bachelor of Engineering in Computer Engineering] [Aggregate GPA-9.54/ 10]

SVKM's Shri Bhagubhai Mafatlal Polytechnic, Mumbai **August 2015-June 2018**
[Diploma in Computer Engineering] [91.40%]

SKILLS:

Programming languages: C, C++, Java, Python, Kotlin, Javascript, HTML, CSS, ASP, VB, Embedded C, Octave, PHP
Frameworks: Flask, Django, JSP, .net, Node.js, Vue.js, Bootstrap
Databases: MySQL, PostgreSQL, MongoDB, Oracle database, Graph database, SQL
Technologies: Data science, soft computing, Android development, Image processing, Full stack web development, IoT

INTERNSHIP EXPERIENCE:

Software Engineer Intern| Mosaik Risk Solutions, Mumbai **June 2019-July 2019**

- Analyzed 1,000,000 bank records utilizing python for risk identification and employed the Benford's law.
- Developed an automated web search bot capable of browsing 6 search engines using Selenium tool and python
- Optimized search bot resulting in reduced client wait time from 8 hours to 40 mins
- Co-operated with client for advisory, project coordination, requirement analysis & drafted software requirements

PROJECTS:

Pseudo-AI **March 2020-April 2021**

- Deep learning model-based multimedia forgery detection system to detect Deepfakes with an accuracy of 96%
- Optimized model performance by 35% applying Inception Residual networks over traditional Convolutional NNs
- Curated a web app utilizing Flask to host model and deploy it; tweaked server to handle images and videos
- Administered project team and published a research paper portraying project in IEEE Xplore (SCOPUS indexed)

ARJUN **July 2019-August 2019**

- Portal capable of allowing users to compare courses from 5 different platforms and recommend most relevant one
- Administered the NoSQL database, developed backend server and trained an 8 language chatbot in python
- Steered team of 4 to win second runners up price in a 300-team national level hackathon sponsored by McAfee

TIE (The Invisible Eye) system **April 2019-Feb 2020**

- Automated vehicle security assessment system to generate vehicle vulnerability index without alerting driver
- Designed an algorithm for security assessment twice as fast and capable of sending instant alerts to officers
- Documented system functionality into a research chapter and issued it in a book from Springer series

Handiazza **December 2017- May 2018**

- Combines features of Handshake and Piazza into a single web app. Students can interact with faculty for queries, build a profile, explore available internships, and submit an application to get hired for a desired role
- Fabricated a fuzzy algorithm to aid recruiters speed up hiring process by 40%. Recruiters can use "fuzzy index" generated by algorithm and choose best matching students to interview for a role
- Coordinated project team, served as full stack developer, and prepared project documentation

ACTIVITIES:

- Served as an event promoter for a conference ICETCAME hosted by Shri Bhagubhai Mafatlal Polytechnic. Was designated a task to visit 15 engineering colleges in and around Mumbai to Promote event. Interacted with students, professors, heads of departments and principals resulting in an increased participation by 25%
- Collaborated with team of developers under Attendance system at Unicode student chapter. Counselled peers for concept design and mentored a team of 30 developers under "BookX" and Student information portal.
- Reached semi-finals in E-yantra 2018- 2019: a national level robotics competition coordinated by IIT Bombay based on Augmented reality and Embedded Systems.
- Presented 2 research papers in IEEE Xplore and a research chapter in Springer.
- Submitted 4 papers in international journal IJARSE on graph database, High performance computing, Fuzzy recommender systems and Network security
- Enrolled for a month-long industrial training program, "Kaushalya" offered by L&T and received "S" Grade (marks > 90%). Devised an algorithm for online food ordering and cuisine recommendation system.