# AASTHA SHUKLA (aasthas2022@gmail.com)

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## EMPLOYMENT HISTORY

**Full Stack Developer | House of Web3** | *Remote*                                  ***May 2023 – August 2023***

- Orchestrated a highly scalable and distributed API to **handle 550+ daily web3 news articles from 30+ outlets**; leveraged OpenAI's API for AI summarization algorithm, **optimized caching for a 30% reduction in API costs** while ensuring service reliability
- Single-handedly gathered requirements, designed, developed, tested, and deployed API service and mobile application, **currently handles 50+ events, 30+ hosts, and 2000+ attendees, achieving a 35% reduction in event coordination efforts**

**Senior Software Engineer | Cimpress Technology** | *Mumbai, India*                    ***July 2019 – July 2022***

- Supervised implementation of custom broker document service, post-Brexit **resulting in annual cost savings €1 Million+**
- Streamlined a highly scalable Tracking Information System to track shipments **processing 17 Million+ events/day**
- Supported, monitored health and performance of **65+ medium-large sized** microservices fulfilling **2.5 Million+ request/year**
- **Mentored 4 recent graduates** through a 3-month onboarding program, fostering alignment with company vision and culture
- Collaborated with **15+** development teams, product owners and customers spanning **5+ time zones** in an agile environment

**Data Science & IT Strategy Intern | MonkJob** | *Mumbai, India*                 ***September 2018 – August 2019***

- Devised an algorithm to sort and recommend most suitable candidates for jobs from PDF resumes, **resulting in a 20% increase in accuracy of candidate recommendations** and thus, **10% reduction in hiring time**
- Initiated and oversaw establishment of **Girls-Who-Code** cell, fostering growth and development of **25+ girls** since inception

**Robotic Process Automation Trainee| RobonomicsAI** |*Bangalore, India*               ***June 2018 – August 2019***

- Pioneered development of an innovative email automation system, intelligently analyzing sender queries to generate tailored responses, effectively **reducing manual workload by 60%** and **reclaiming over 15 hours weekly** (*Publication*)
- Awarded **"Best Research Project-Undergraduate Category"** at 21st ISTE National Convention and INTECH **midst 35+ projects**

## TECHNICAL SKILLS

- ***Development***: JavaScript(Node/React), Python, Java(Spring MVC/Servlets/JSP/EJB/JDBC), HTML, CSS, Kotlin, SwiftUI, Flutter
- ***Database:*** RDBMS(MySQL/Postgres/Db2), NoSQL(MongoDB/DynamoDB), Snowflake, Looker, Flyway, Redis, Databricks
- ***Cloud (AWS):*** EC2, S3, RDS, Lambda, VPC, IAM, Route 53, CloudFormation, CloudWatch, DynamoDB, ECS, EKS, SQS, SNS, Kinesis, Glacier, Elastic Beanstalk, CodePipeline, CodeDeploy, CodeBuild, Glue, Athena, System Manager Parameter Store, Redshift
- ***Project Management & Version Control (CI/CD) Tools:*** Jira, Confluence, Gitlab/GitHub/Git, Bitbucket, Fisheye
- ***Others:*** Unix/Linux/Bash, Terraform, Docker/ Kubernetes, Postman, Sumologic, NewRelic, UiPath, Swagger

## EDUCATION

- ***Master of Science - Computer Science | Syracuse University*** | *New York, USA*          ***August 2022 – May 2024***
- ***Bachelor of Engineering - Information Technology | University of Mumbai*** | *Mumbai, India*       ***June 2015 – July 2019***

## PROJECT EXPERIENCE

**ColdContactXLSX - Personalized Cold Email Automation for Job Seekers (*Project Link*)**          ***April 2024 - Present***

- Crafted automation tool that slashes manual outreach time by generating personalized emails and predicting employee email id
- **Sent 500+ emails within minutes**, optimizing productivity for networking, skill development, and interview preparation

**Informal Analysis of Twitter Usage Amidst the COVID-19 Pandemic (*Project Link*)**          ***March 2023 – May 2023***

- Applied advanced NLP techniques to meticulously analyze **1k+ COVID-19-related tweets**, employing LDA for precise topic modeling and sentiment analysis, yielding invaluable insights into prevailing public sentiment during crisis

**Facebook Influence Identification (*Project Link*)**                              ***January 2020 – March 2021***

- Implemented a targeted system identifying influential Facebook users with specific interests, leveraging their advocacy to promote causes, resulting in a **25% increase in engagement** and a **40% boost in funds raised**

**Renaissance: KJSIEIT's First Ever Annual Technical Festival Android App and Web Platform**       ***January 2019 – June 2019***

- **Spearheaded team of 8** to deliver first-ever event registration and report generation application used by **250+ attendees**

## LEADERSHIP

- ***Vice Chairperson | Career Opportunities for Engineers in Public Sector*** | *Mumbai, India*        ***June 2018 – July 2019***
- ***Chief Executive Officer | Indian Society for Technical Education*** | *Mumbai, India*           ***June 2018 – July 2019***

## OTHER

- Delivered seminar on "Problem Solving and Ideation" for **350+ students** and **15+ faculty members** (2021)
- Invited as industrial expert to **provide mentorship** for undergraduate research projects for **successive 3 years** (2016-2019)
- Conducted workshops to **enrich 250+ high school students** about lesser-known engineering fields (2015-2019)