Anushka Sen

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EDUCATION   YEAR

New Horizon College of Engineering, Bangalore, India   **2018 - 2022**
Bachelor of Engineering (B.E.) in Information Science & Engineering, **CGPA: 9.59/10.0**   *University Rank Holder*

Don Bosco School, Guwahati, India   **2016 - 2018**
All India Senior School Certificate Examination (CBSE**), Percentage: 93.8%**

S.B.O.A. Public School, Guwahati, India   **2015 – 2016**
All India Secondary School Certificate Examination (CBSE**), CGPA: 10.0/10.0**

SKILLS

Programming Languages & Databases: C, Java, Python, HTML, CSS, PHP, JavaScript, Go, MySQL
Frameworks: Springboot, React.js, Bootstrap
Infrastructure & DevOps: Kubernetes, Helm Charts, ELK Stack (Elasticsearch, Logstash, Kibana), Prometheus, Grafana, Google Cloud Platform (GCP), Docker, Jenkins, ArgoCD, Spinnaker, Git, Bitbucket

EXPERIENCE

Lowe's India, Bangalore, India
Software Engineer   **May 2024 - Present**
- Achieved an **81% reduction in GCP expenditures** by migrating ELK clusters from Google Compute Engine (GCE) to Google Kubernetes Engine (GKE), while decommissioning 439 CentOS 7.x VMs for optimized resource usage.
- Devised a data-ingestion pipeline that routes Google Service logs to Elasticsearch using Google Pub/Sub, Kafka, and Logstash, **enhanced log visibility by 70%** within ELK stack.
- Established Event-Exporter pipeline that **ships nearly 6 million Kubernetes event logs** to Elasticsearch on a weekly basis, using Helm charts and Jenkins, improved analysis speed by reducing troubleshooting time to mere minutes.

Associate Software Engineer   **Aug 2022 - April 2024**
- Implemented Filebeat rate limiting to **cap log ingestion at 30,000 logs per minute per container**, mitigating noisy neighbor issues, and customized Beat code for metrics on log drop sources, increasing visibility by 30%.
- Onboarded telemetry logging to the DevOps Consul Cluster, integrating Filebeat and Logging Frontdoor to redirect Stackdriver logs to Elasticsearch, **reduced GCP logging costs incurred by the cluster by 22%.**
- Created reusable Elasticsearch Component Templates to standardize field indexing and settings, improving efficiency across environments.

The Sparks Foundation (Graduate Rotational Internship Program)
Web Development Intern   **Apr 2022 – May 2022**
- Developed the "Donate to Sparks" website using HTML5, CSS3, JavaScript, and Bootstrap, **integrating Razorpay payment gateway** for seamless transactions, automating invoice generation and email receipts, while enhancing user experience with responsive design.

Data Science & Business Analytics Intern   **Nov 2020 – Dec 2020**
- **Leveraged Python for data extraction and analysis**, applying supervised (e.g., regression) and unsupervised (e.g., K-means clustering) algorithms to identify trends, and created visualizations with Matplotlib and Seaborn to derive actionable insights.

PROJECTS

e-Hearing Aid   **Jul 2022**
Sponsored by Karnataka State Council for Science and Technology (KSCST), Visvesvaraya Technological University (VTU) Best Project
- Engineered an IoT-based **e-Hearing Aid using Arduino Uno and a Voice Recognition Module** (V3), implementing keyword recognition algorithms by training and testing the module in INO format for real-time alerts upon detecting specific keywords.
- Co-authored "IoT based Divyang Assistant Technology: Your Hearing support", a research paper based on the project, published under IEEE journal (DOI: 10.1109/ICEARS53579.2022.9752307).

Bharath Ki Savari   **Aug 2021**
Winner, Toycathon 2021, Govt. Of India
- Developed an **interactive Android-based application** that leverages immersive technologies to promote India's cultural heritage via a simulated virtual train journey.
- Designed and implemented dynamic user experiences by integrating **a quiz module and multimedia elements** using Android Studio with Java and XML for front-end development, while utilizing Adobe After Effects and Canva for seamless visual and animation effects.

ACTIVITIES

- Co-authored "Quiz Portal: for Students and Faculty" in International Research Journal of Engineering and Technology, Vol. 6/Iss. 3, 2020.
- Co-authored "Jeevan Setu: Your Life Matters" in International Research Journal of Engineering and Technology, Vol. 11/Iss. 11, 2020.
- Received **Spot Award (Lowe's India, 2023)** for exceptional performance and exceeding deliverables.
- Volunteered with Goodera to **create gamified Educards for underserved children's** development (Lowe's India, 2024).