**Amal Ray**

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**EDUCATION**

**KALINGA INSTITUTE OF INDUSTRAL TECHNOLOGY** Bhubaneswar, India

Bachelor of Technology May 2022

Electronics and Computer Science

Cumulative GPA: 8.14/10.0

Relevant Coursework: Data Analysis, Software Engineering; Operating Systems; Algorithms; Economics

**University Project**:

Crop Yield Prediction and Analysis in India Using Machine Learning Models

**WORK EXPERIENCE**

**HIGHRADIUS CORPORATION** Bhubaneswar, India

Tech Track Intern Jan 2021 – Mar 2021

* Created a full-stack web based fintech product with Machine Learning and React

**EY GLOBAL DELIVERY SERVICES** Bengaluru/Kolkata, India

Associate Software Engineer (Risk and Compliance Engineering) Aug 2022 – Present

* Involved in designing the Change Pilot Project in EY UK, involves creating a Change Method supported by several technology solutions empowering UK Leadership to align all siloed Change with company strategy and increasing efficiency within Risk Management
* Involved in streamlining and automating the trade reporting process for a German P&U client as per REMIT and EMIR regulatory requirements to the respective regulators.
* Automated and developed new processes and upgraded existing data quality checks for REMIT/EMIR daily processes for the client using Python.
* Achieved ZERO outstanding issues in both EMIR and REMIT processes after months of continued effort.
* Upgraded EMIR Commodities checking system which automates and simplifies checking of trade values using Python.
* Upgraded EMIR FX Commodities system which automates and simplifies checking of trades and trade rejections received using Python.
* Data scraping of mails for raw data and compiling them for analysis Making statistical summaries of data for business analysis.
* Creating and refining Business As Usual Processes for Compliance Monitoring Risk Management EY UK - Instrumental in creating and maintaining processes to track files and smooth data flows, responsible for liaising with Subject Matter Experts of various policies in Risk Management for optimal efficiency of data transfers and subsequent dashboard approvals.
* Responsible for creation of a Commentary App on Power BI through Power Apps for smoother communication between teams and leadership via the Power BI dashboards themselves.
* Design of databases and tables in SQL, working with data in Power Platform and Python to create further flows to simplify processes.
* Developed extensive skills in ETL, data integration, storage in SQL databases, usage of data in Power Platform and Python.
* Developed Python automations to further reduce manual work for Subject Matter Experts.
* Spearheaded design and development of a complete overhaul of the BAU systems aiming for end-to-end automation - a singular application which oversees all aspects of data flow and dashboard approvals.
* Spearheading the introduction and development of AI technologies and solution in the project, finding avenues for growth and expansion of the project through AI.
* Designing and creating Next-Gen Reporting in Power BI; which aims to provide set a specific design language for Compliance Risk Management, EY UK.
* Leading the support, maintenance and upgradation of UK Risk Management Controls Catalogue application – which records controls and requirements for risks across several siloed policies.

**ACTIVITIES**

**KIIT FILM SOCIETY** Bhubaneswar, India

Assistant Coordinator, Coordinator

* Led teams made of 100 people with various backgrounds to revamp the organization and solidify its place in the national conversation regarding official film societies from reputed universities.
* Have made films and won awards - VIT Film festival (1st, Best Cinematography; 3rd, Best film) for film "What You See In the Dark", Nominated for international film festivals (Kalakari International Film Festival, Liftoff Online, Pinewood Studios, London for film "What You See in the Dark"
* Films Made: [Wake Up](https://youtu.be/OstgHMTZwE0?si=WCdn4Eh-u77bF7rt), [What You See in the Dark](https://youtu.be/3HllsTotKqE?si=HOcXKYy0wTtmqt04), [Everything is Ok](https://drive.google.com/file/d/1jyJrqFpTihnWPRbgm8harQ0fnKxAaU5u/view?usp=sharing)

**ADDITIONAL**

**Technical Skills**: Business Operations and Analysis; Advanced Python; Power Apps; Automation; SQL; Powerpoint; Adobe Premiere Pro

**Certifications & Training:** Salesforce APEX Specialist; Salesforce Process Automation Specialist; EY GDS Campus to Corporate; EY Data Science Learning badge; EY Data Science Bronze Badge; EY Data Visualization Learning Badge, EY Design Thinking Learning Badge; EY Design Thinking Bronze Badge; Certified SAFe6 Agilist